

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056721.D
 Acq On : 11 Dec 2023 10:09
 Operator : MD/SY
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 00:37:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 00:37:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	257056	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	262548	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	115559	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	9994	0.454	ug/L	0.00
7) Chloroethane-d5	1.911	69	7164	0.434	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	65	4046	0.429	ug/L	0.00
20) 2-Butanone-d5	4.653	46	11349	2.608	ug/L	0.04
24) Chloroform-d	5.058	84	17368	0.416	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.705	65	8090	0.410	ug/L	0.00
32) Benzene-d6	5.727	84	31206	0.383	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	10050	0.394	ug/L	0.00
41) Toluene-d8	7.897	98	27387	0.376	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	3790	0.383	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	11733	3.177	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	7571	0.411	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	10846	0.477	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	14348	0.533	ug/L	94
3) Chloromethane	1.518	50	14329	0.541	ug/L	93
5) Vinyl chloride	1.602	62	13599	0.517	ug/L #	80
6) Bromomethane	1.856	94	8604	0.555	ug/L	95
8) Chloroethane	1.933	64	8280	0.537	ug/L	98
9) Trichlorofluoromethane	2.136	101	19162	0.517	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	11435	0.503	ug/L	99
12) 1,1-Dichloroethene	2.579	96	10838	0.519	ug/L	89
13) Acetone	2.634	43	13768	5.192	ug/L	96
14) Carbon disulfide	2.791	76	38712	0.535	ug/L	100
15) Methyl Acetate	2.959	43	2087	0.289	ug/L #	81
16) Methylene chloride	3.042	84	12543	0.552	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	21882	0.473	ug/L #	90
18) trans-1,2-Dichloroethene	3.354	96	10291	0.486	ug/L	99
19) 1,1-Dichloroethane	3.865	63	19861	0.488	ug/L	93
21) 2-Butanone	4.724	43	19330	4.530	ug/L	75
22) cis-1,2-Dichloroethene	4.666	96	11012	0.478	ug/L	93
23) Bromochloromethane	4.975	128	4785	0.497	ug/L	93
25) Chloroform	5.084	83	22398	0.525	ug/L	99
27) 1,2-Dichloroethane	5.795	62	12863	0.510	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	18536	0.488	ug/L	98
30) Cyclohexane	5.386	56	16170	0.454	ug/L	97
31) Carbon tetrachloride	5.524	117	15998	0.485	ug/L	97
33) Benzene	5.772	78	43869	0.475	ug/L	100
34) Trichloroethene	6.544	95	12577	0.497	ug/L	94
35) Methylcyclohexane	6.759	83	17651	0.473	ug/L	99
37) 1,2-Dichloropropane	6.788	63	11598	0.491	ug/L	98
38) Bromodichloromethane	7.103	83	14576	0.484	ug/L	93
39) cis-1,3-Dichloropropene	7.608	75	15715	0.457	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	52840	4.715	ug/L	100
42) Toluene	7.968	91	42936	0.450	ug/L	94
44) trans-1,3-Dichloropropene	8.213	75	12885	0.457	ug/L	96

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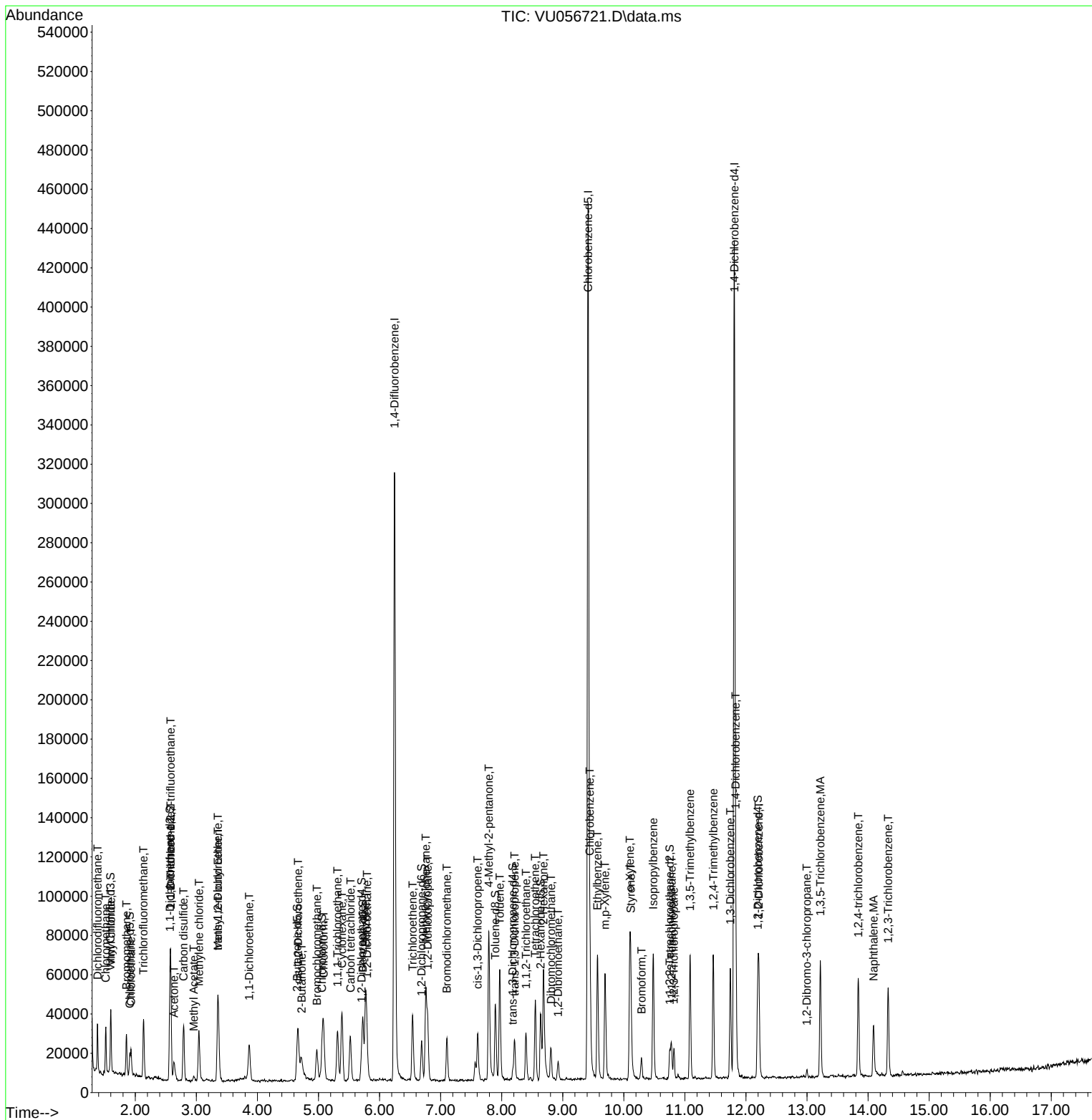
Quant Time: Dec 12 00:37:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 00:37:02 2023
 Response via : Initial Calibration

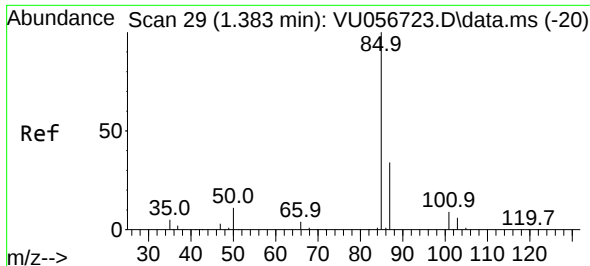
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.399	97	7673	0.481	ug/L	98
47) Tetrachloroethene	8.550	164	8674	0.490	ug/L	96
48) 2-Hexanone	8.685	43	38233	4.790	ug/L	97
49) Dibromochloromethane	8.807	129	8768	0.478	ug/L	98
50) 1,2-Dibromoethane	8.923	107	6886	0.465	ug/L #	95
51) Chlorobenzene	9.444	112	29986	0.493	ug/L	99
52) Ethylbenzene	9.569	91	47223	0.448	ug/L	98
53) m,p-Xylene	9.695	106	17062	0.435	ug/L	97
54) o-Xylene	10.100	106	16262	0.435	ug/L	95
55) Styrene	10.116	104	25674	0.418	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	10089	0.523	ug/L #	90
59) Bromoform	10.293	173	4995	0.529	ug/L	99
60) Isopropylbenzene	10.483	105	43312	0.474	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	7028	0.566	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	35142	0.471	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	34577	0.467	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	23391	0.542	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	23669	0.557	ug/L	94
67) 1,2-Dichlorobenzene	12.212	146	22009	0.559	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.997	75	1137	0.459	ug/L	97
69) 1,3,5-Trichlorobenzene	13.219	180	19452	0.596	ug/L	98
70) 1,2,4-trichlorobenzene	13.842	180	15471	0.599	ug/L	96
71) Naphthalene	14.090	128	25043	0.662	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	14511	0.661	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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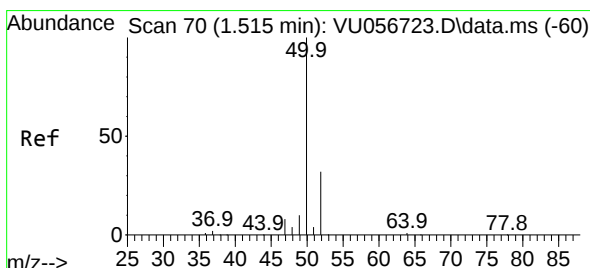
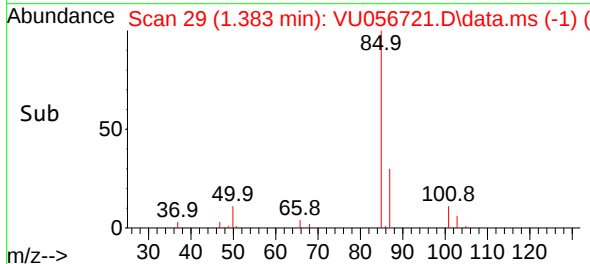
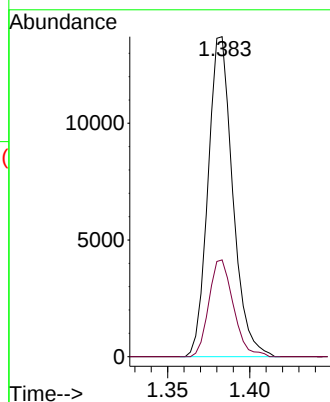
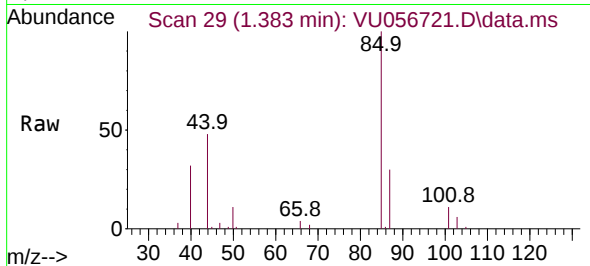




#2
 Dichlorodifluoromethane
 Concen: 0.533 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

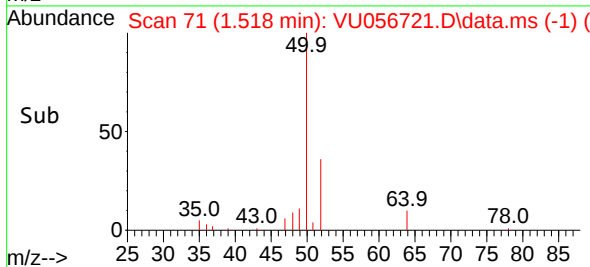
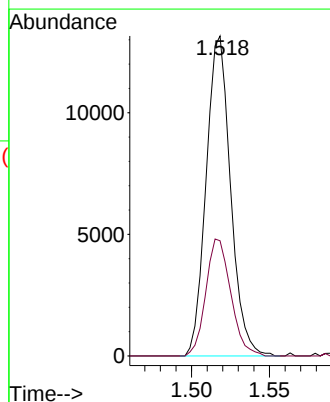
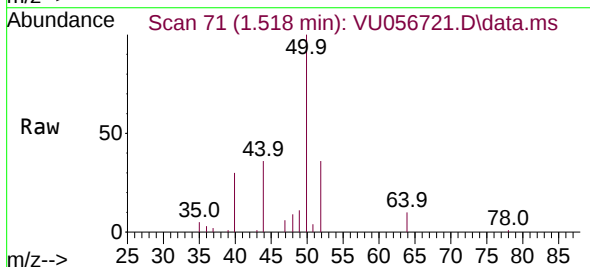
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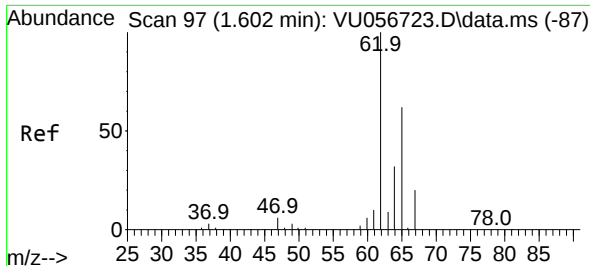
Tgt Ion: 85 Resp: 14348
 Ion Ratio Lower Upper
 85 100
 87 30.0 26.8 40.2



#3
 Chloromethane
 Concen: 0.541 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

Tgt Ion: 50 Resp: 14329
 Ion Ratio Lower Upper
 50 100
 52 36.0 22.5 41.7

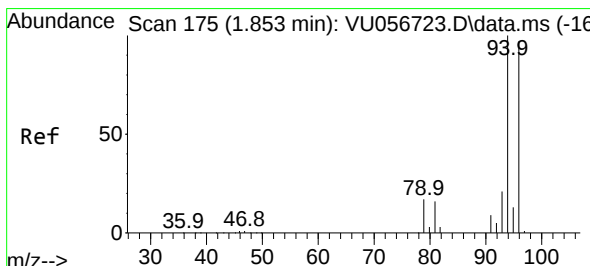
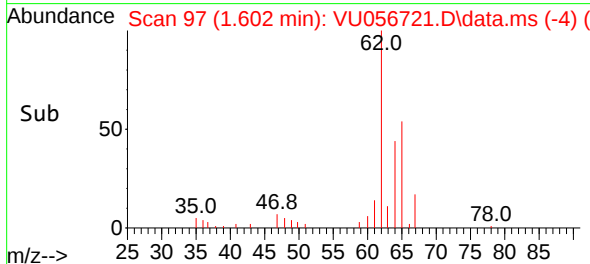
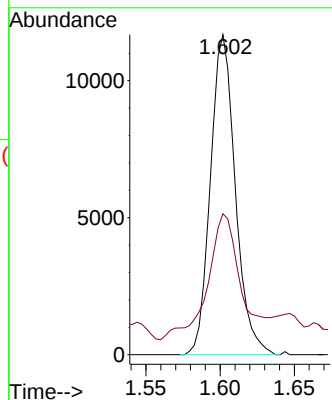
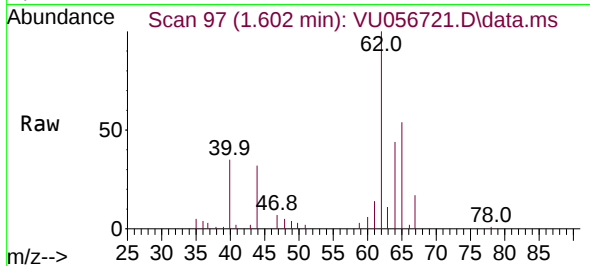




#5
 Vinyl chloride
 Concen: 0.517 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

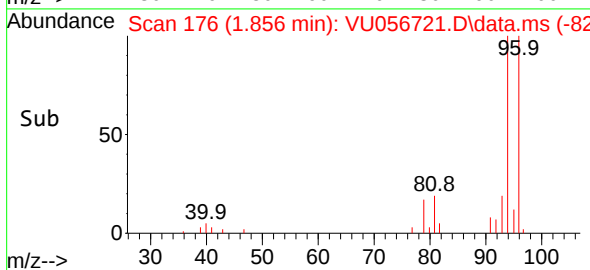
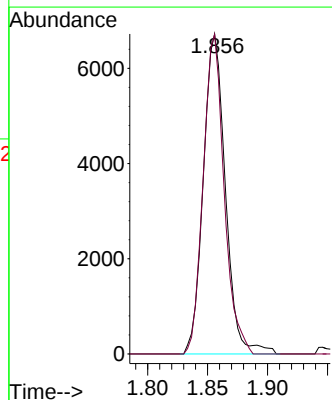
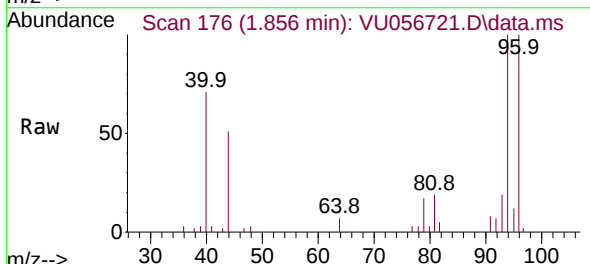
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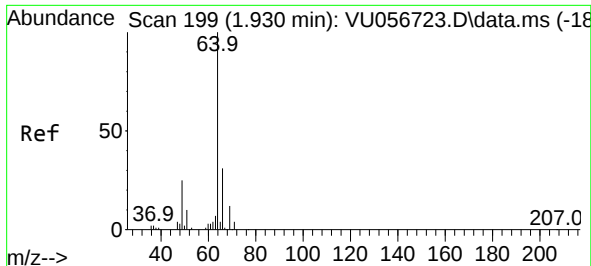
Tgt Ion: 62 Resp: 13599
 Ion Ratio Lower Upper
 62 100
 64 44.1 22.8 42.4#



#6
 Bromomethane
 Concen: 0.555 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

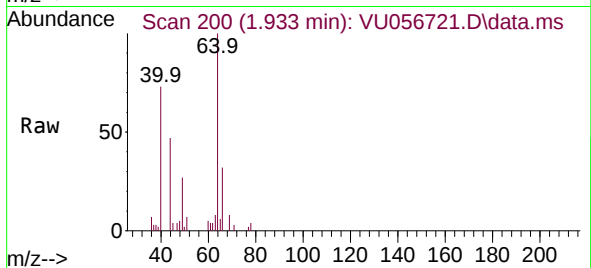
Tgt Ion: 94 Resp: 8604
 Ion Ratio Lower Upper
 94 100
 96 101.8 67.8 125.8



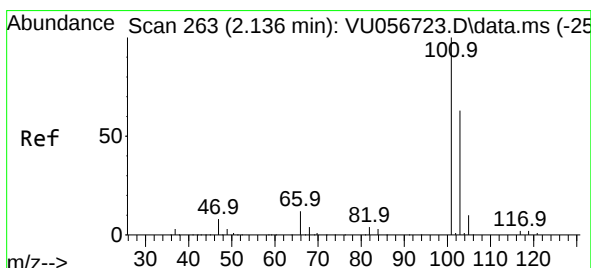
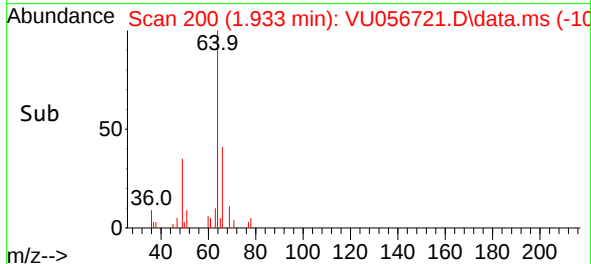
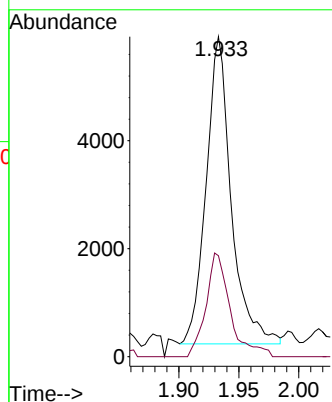


#8
Chloroethane
Concen: 0.537 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :

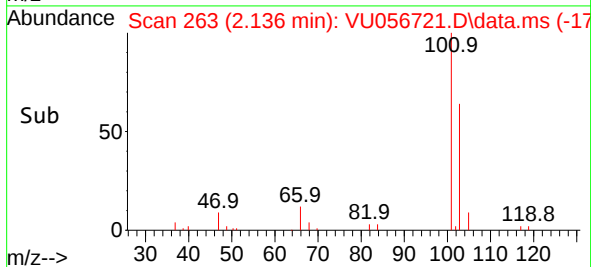
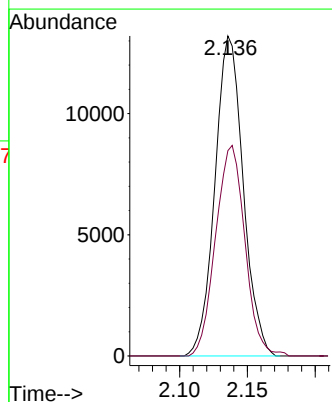
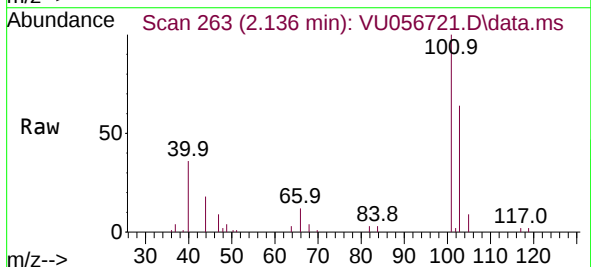


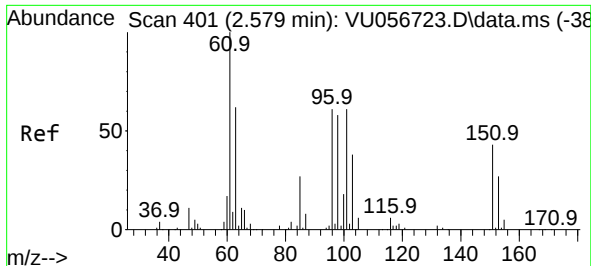
Tgt Ion: 64 Resp: 8280
Ion Ratio Lower Upper
64 100
66 31.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 0.517 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion:101 Resp: 19162
Ion Ratio Lower Upper
101 100
103 68.1 51.4 77.2

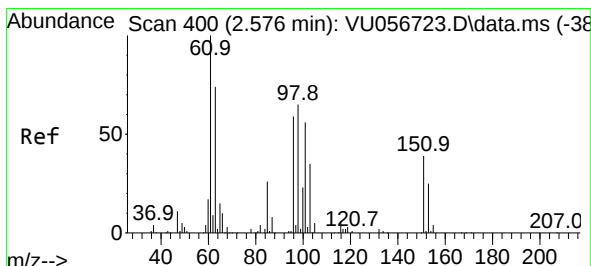
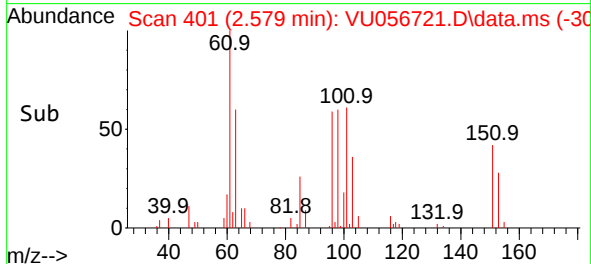
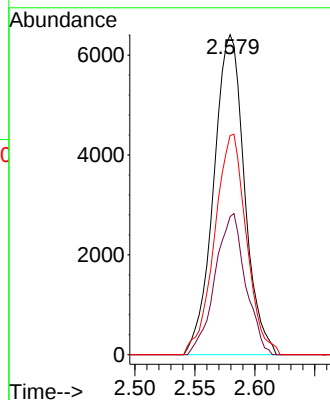
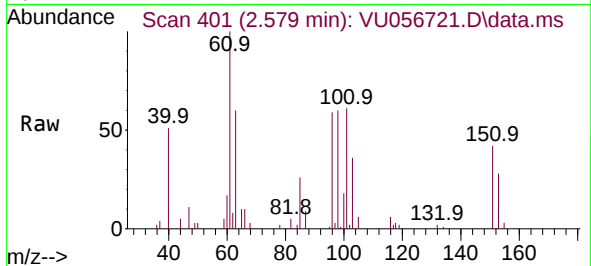




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.503 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

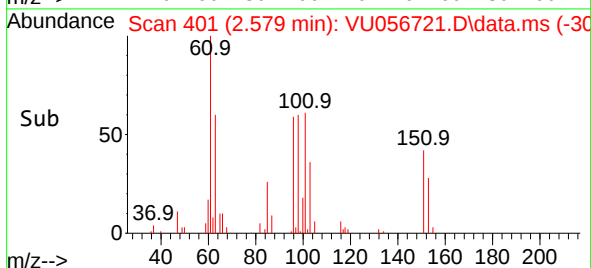
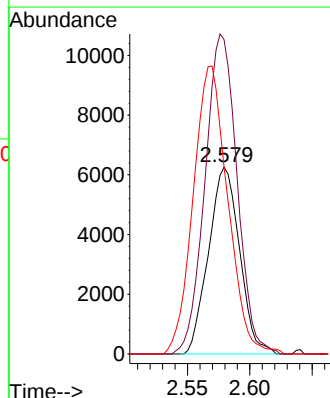
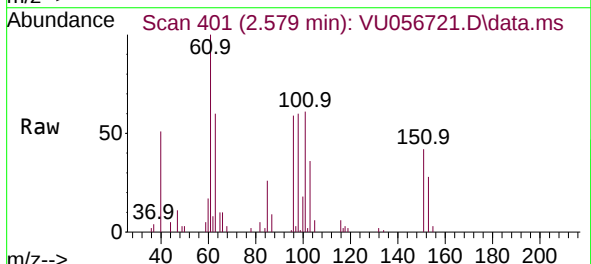
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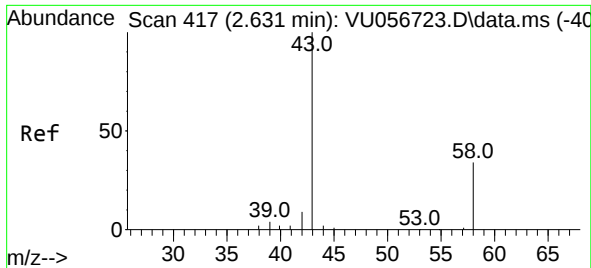
Tgt Ion:101 Resp: 11435
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.2 52.8
 151 71.3 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 0.519 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

Tgt Ion: 96 Resp: 10838
 Ion Ratio Lower Upper
 96 100
 61 168.3 119.0 221.0
 63 100.2 88.7 164.7





#13

Acetone

Concen: 5.192 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

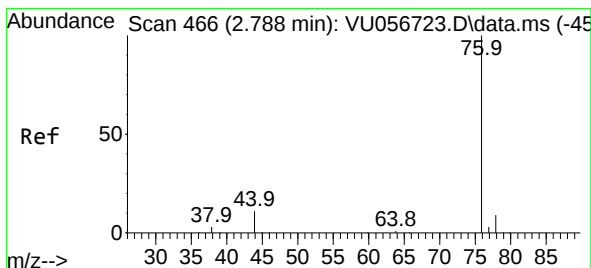
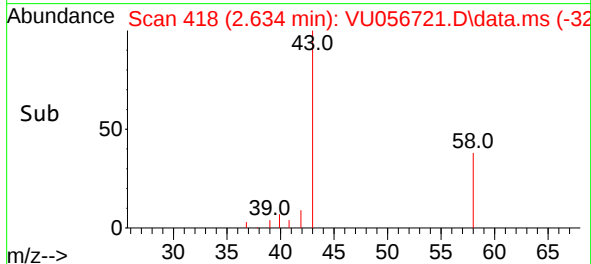
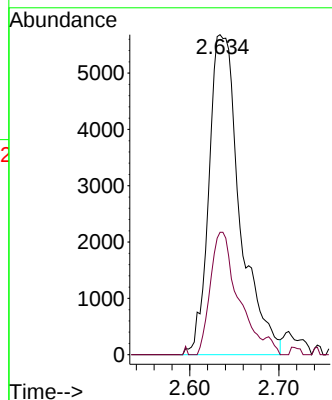
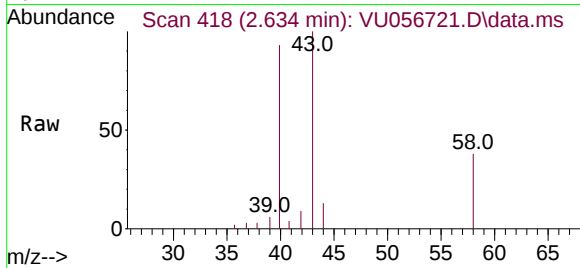
ClientSampleId :

Tgt Ion: 43 Resp: 13768

Ion Ratio Lower Upper

43 100

58 33.7 0.0 72.6



#14

Carbon disulfide

Concen: 0.535 ug/L

RT: 2.791 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU056721.D

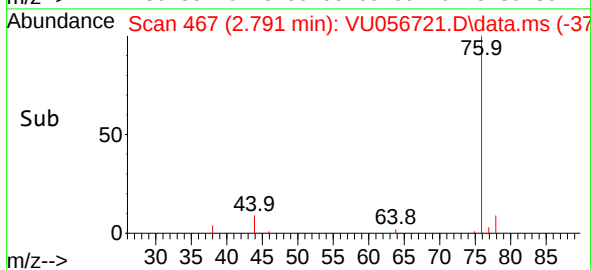
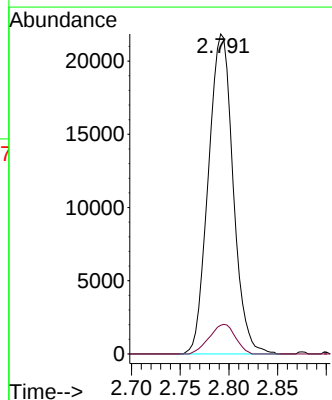
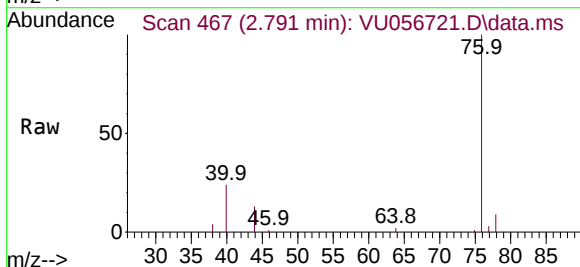
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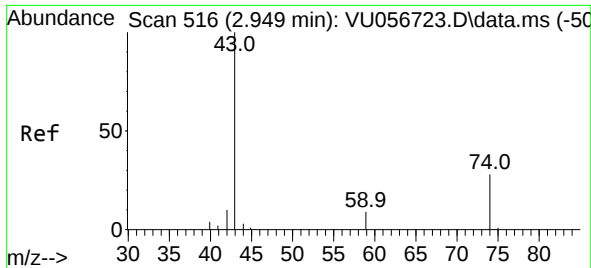
Tgt Ion: 76 Resp: 38712

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

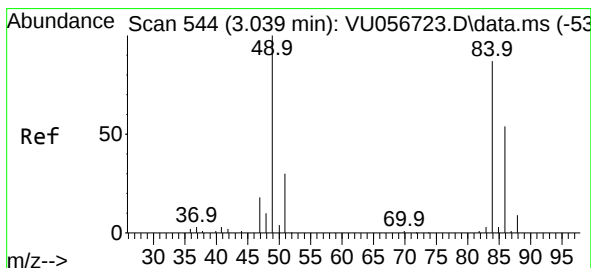
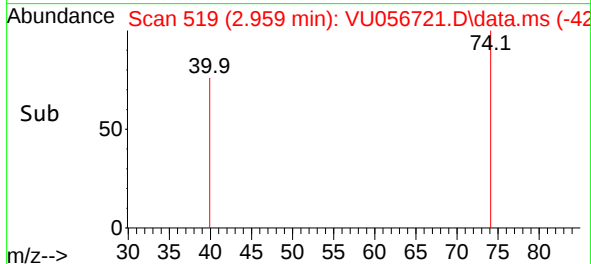
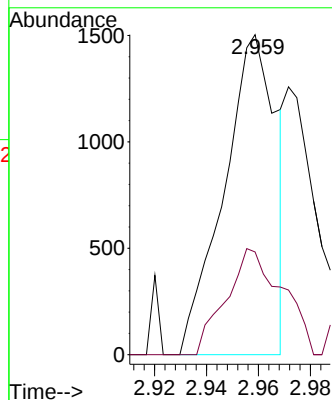
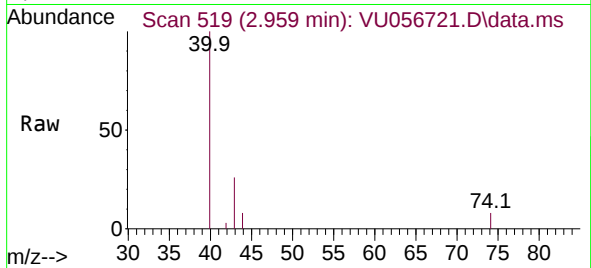




#15
Methyl Acetate
Concen: 0.289 ug/L
RT: 2.959 min Scan# 516
Delta R.T. 0.010 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

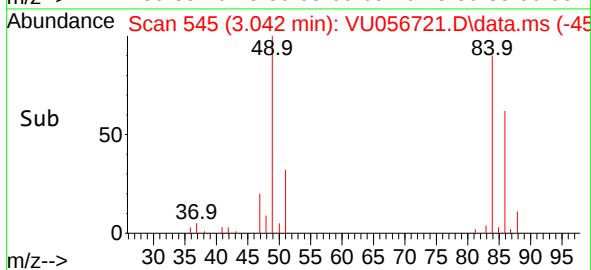
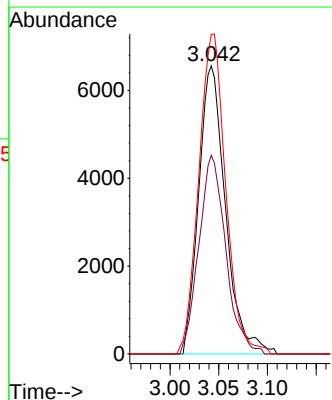
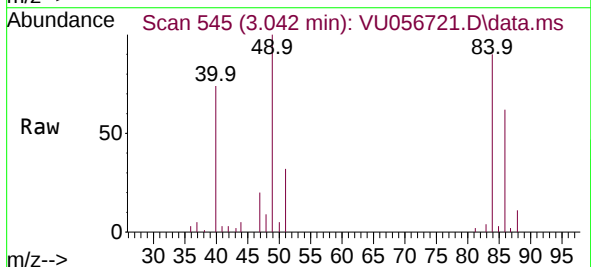
Instrument :
MSVOA_U
ClientSampleId :

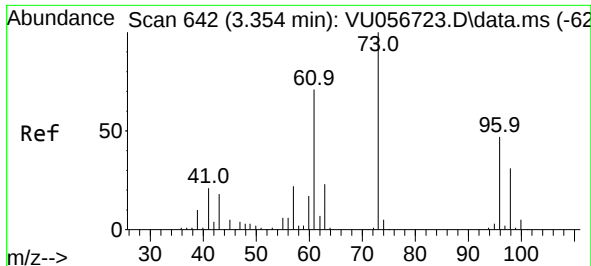
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
74 36.0 21.0 31.6#



#16
Methylene chloride
Concen: 0.552 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

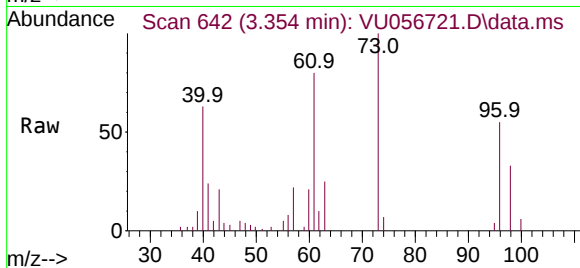
Tgt Ion: 84 Resp: 12543
Ion Ratio Lower Upper
84 100
86 69.0 43.6 81.0
49 110.9 80.6 149.6





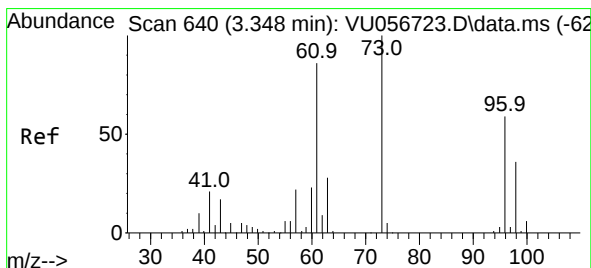
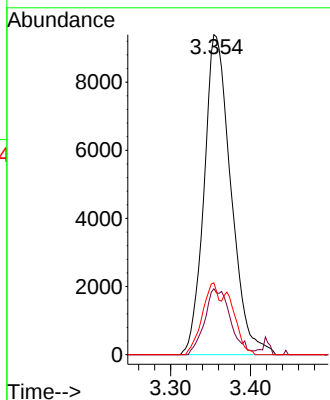
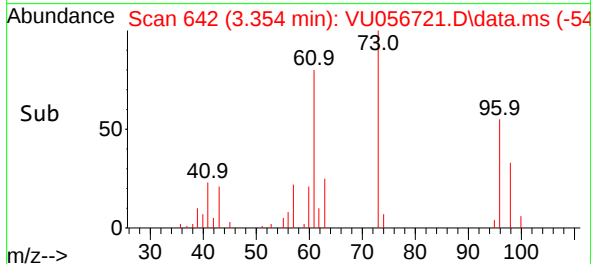
#17
Methyl tert-butyl Ether
Concen: 0.473 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :

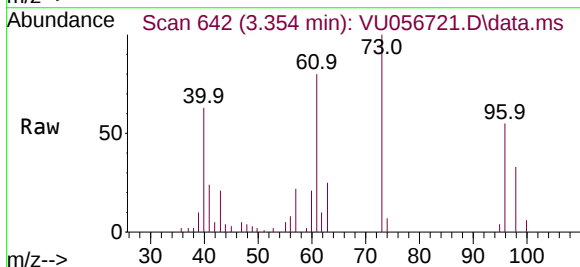


Tgt Ion: 73 Resp: 21882

Ion	Ratio	Lower	Upper
73	100		
43	19.9	14.4	21.6
57	15.1	17.8	26.8

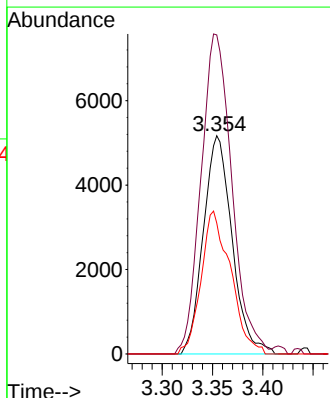
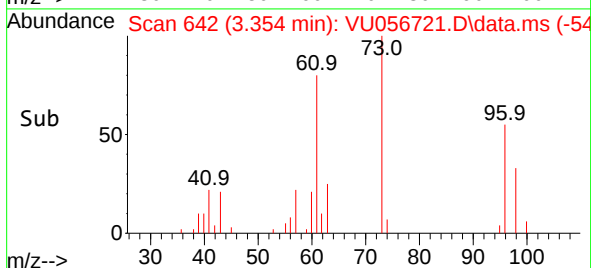


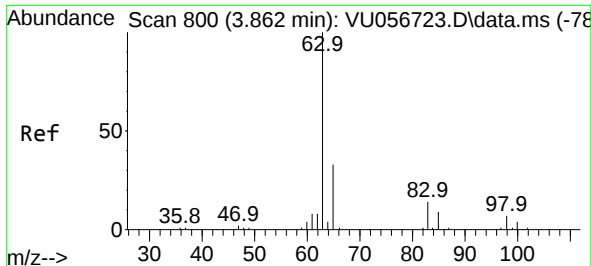
#18
trans-1,2-Dichloroethene
Concen: 0.486 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09



Tgt Ion: 96 Resp: 10291

Ion	Ratio	Lower	Upper
96	100		
61	146.2	101.8	189.0
98	60.0	43.0	79.8





#19

1,1-Dichloroethane

Concen: 0.488 ug/L

RT: 3.865 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

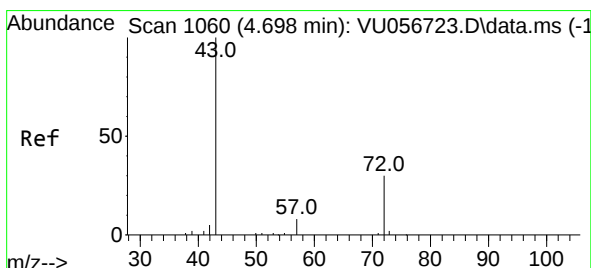
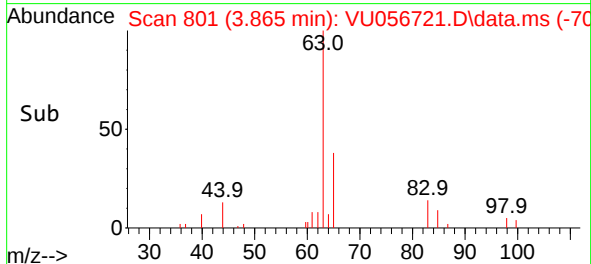
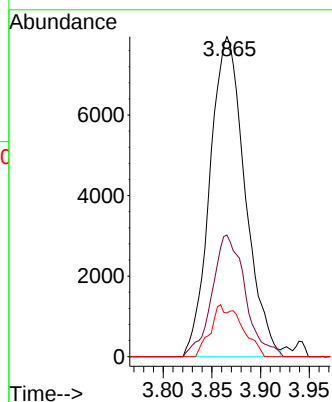
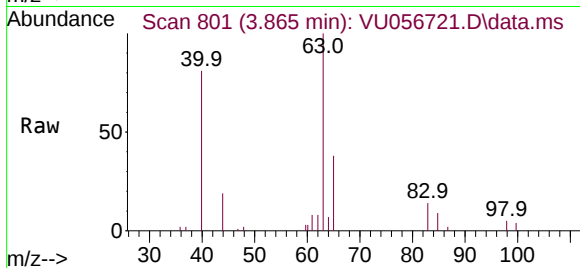
Tgt Ion: 63 Resp: 19861

Ion Ratio Lower Upper

63 100

65 38.0 22.9 42.5

83 13.6 10.1 18.9



#21

2-Butanone

Concen: 4.530 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.026 min

Lab File: VU056721.D

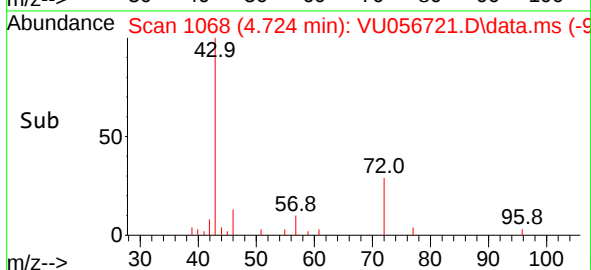
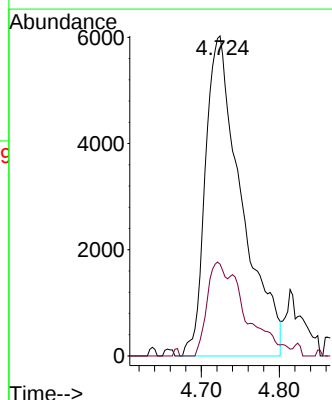
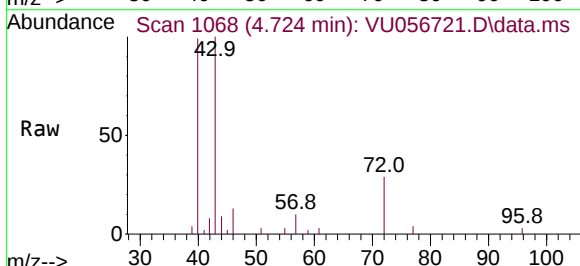
Acq: 11 Dec 2023 10:09

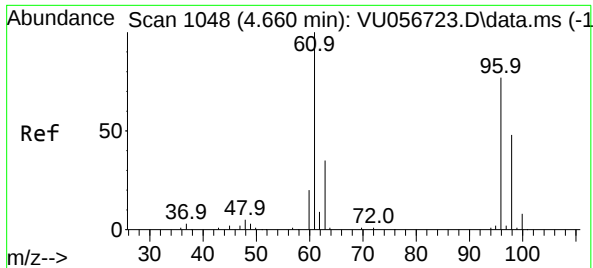
Tgt Ion: 43 Resp: 19330

Ion Ratio Lower Upper

43 100

72 15.6 14.6 43.8

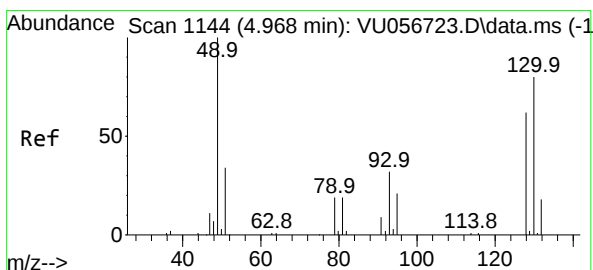
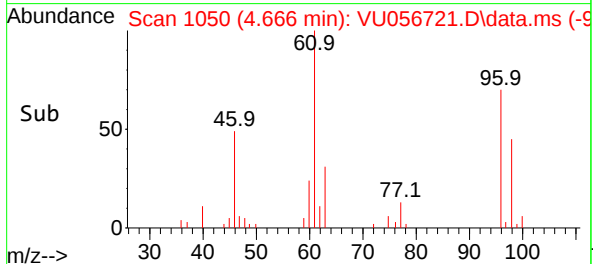
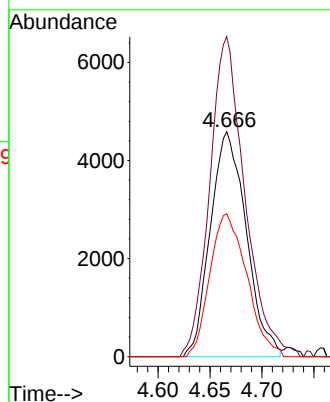
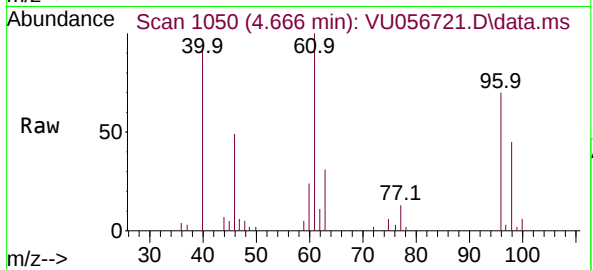




#22
 cis-1,2-Dichloroethene
 Concen: 0.478 ug/L
 RT: 4.666 min Scan# 11012
 Delta R.T. 0.006 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

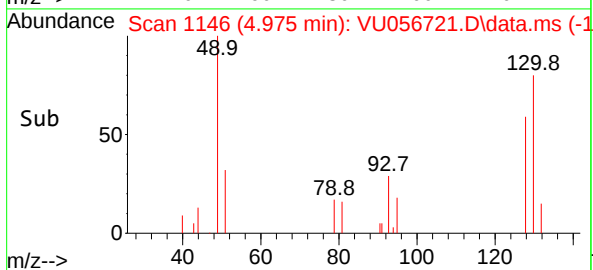
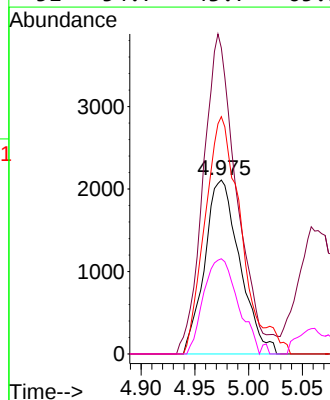
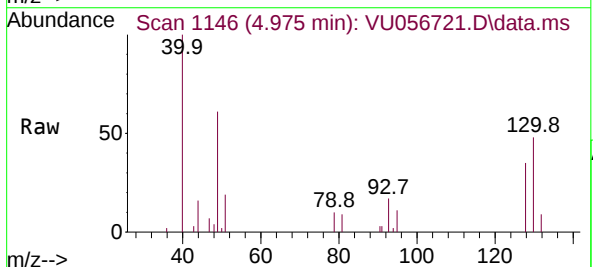
Instrument :
 MSVOA_U
 ClientSampleId :

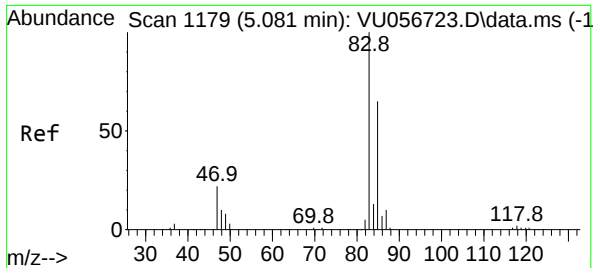
Tgt Ion: 96	Resp: 11012
Ion Ratio	Lower Upper
96 100	
61 142.2	91.3 169.6
98 63.5	44.2 82.0



#23
 Bromochloromethane
 Concen: 0.497 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.006 min
 Lab File: VU056721.D
 Acq: 11 Dec 2023 10:09

Tgt	Ion:128	Resp:	4785
Ion	Ratio	Lower	Upper
128	100		
49	176.0	113.8	211.3
130	136.4	90.6	168.3
51	54.7	43.7	65.5





#25

Chloroform

Concen: 0.525 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

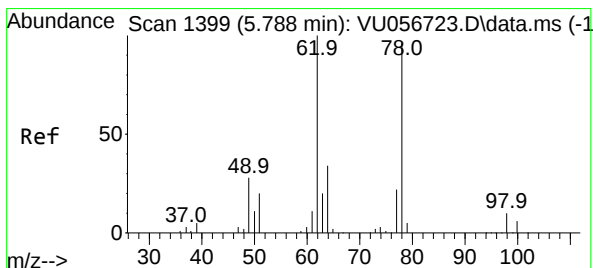
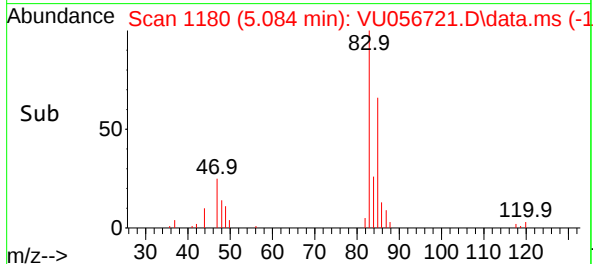
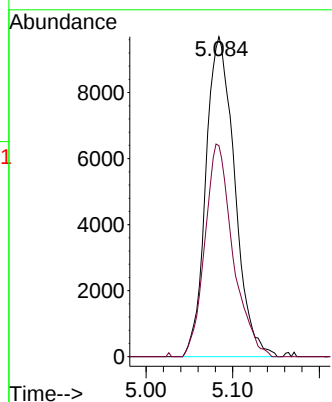
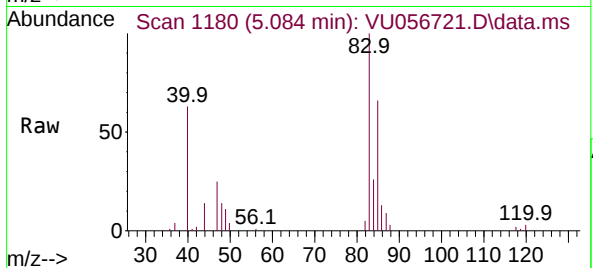
ClientSampleId :

Tgt Ion: 83 Resp: 22398

Ion Ratio Lower Upper

83 100

85 65.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 0.510 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU056721.D

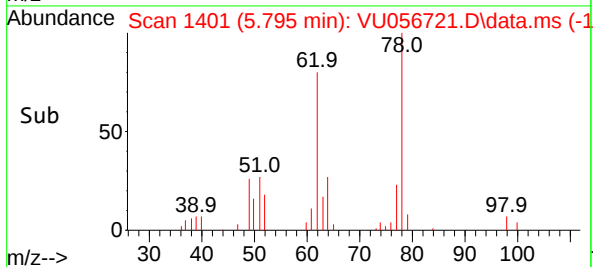
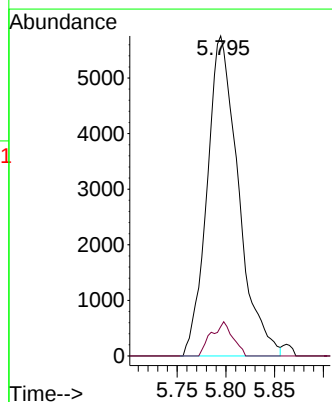
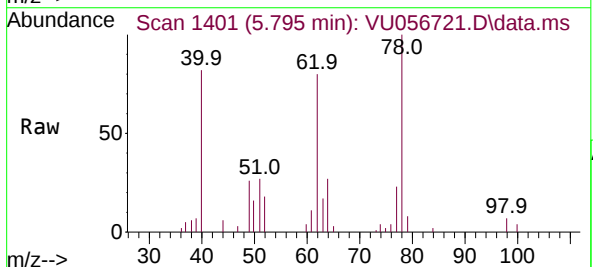
Acq: 11 Dec 2023 10:09

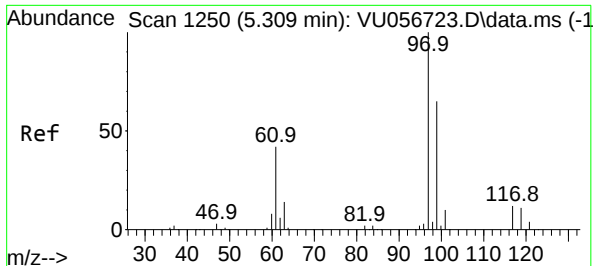
Tgt Ion: 62 Resp: 12863

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 0.488 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

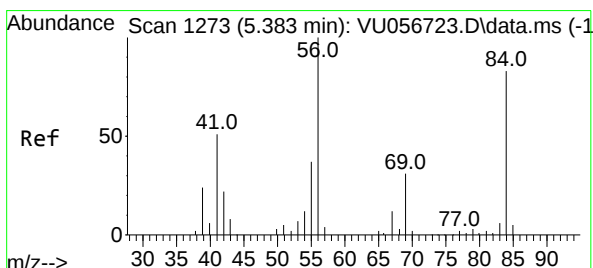
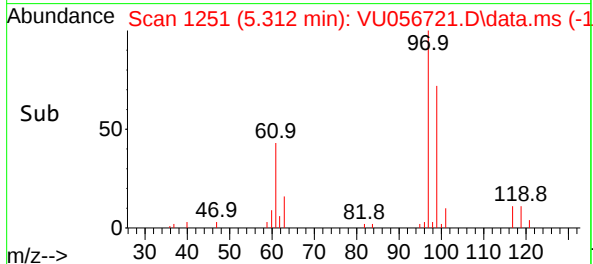
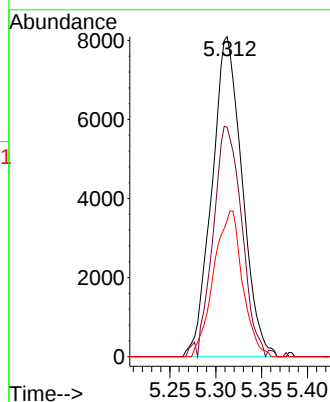
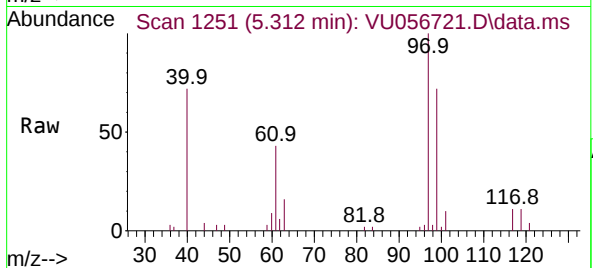
Tgt Ion: 97 Resp: 18536

Ion Ratio Lower Upper

97 100

99 68.2 52.5 78.7

61 43.4 34.2 51.2



#30

Cyclohexane

Concen: 0.454 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

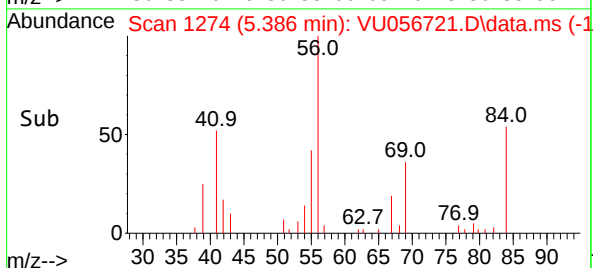
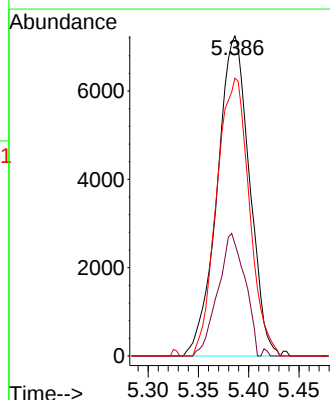
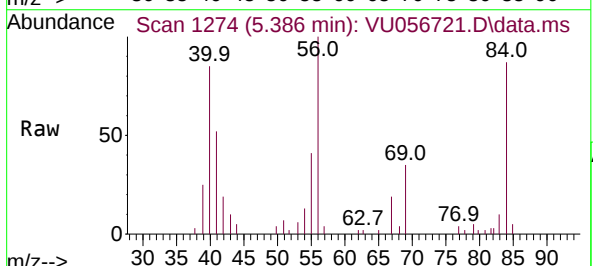
Tgt Ion: 56 Resp: 16170

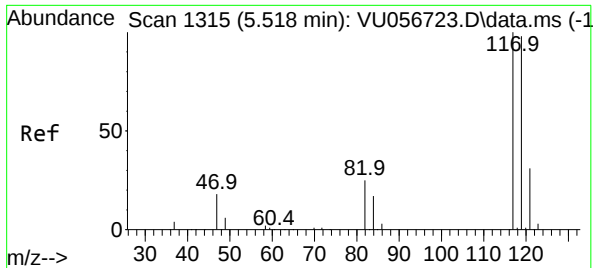
Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 87.6 67.6 101.4

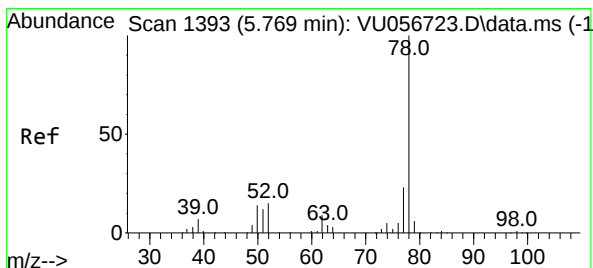
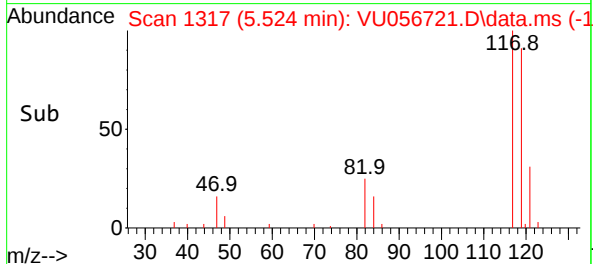
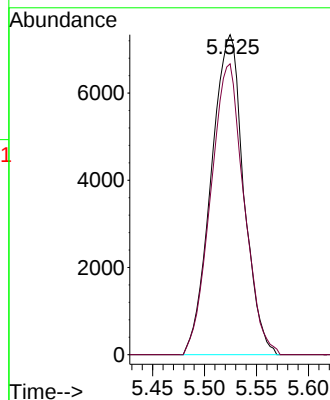
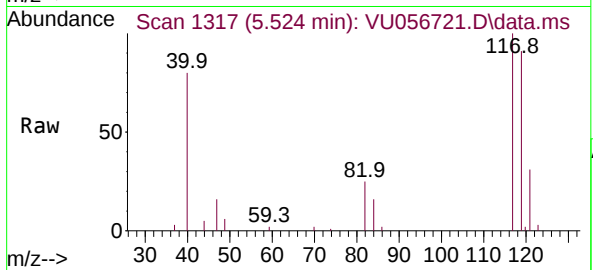




#31
Carbon tetrachloride
Concen: 0.485 ug/L
RT: 5.524 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

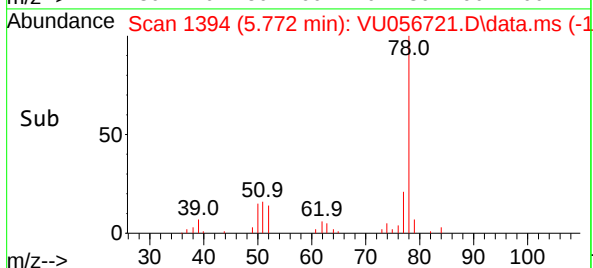
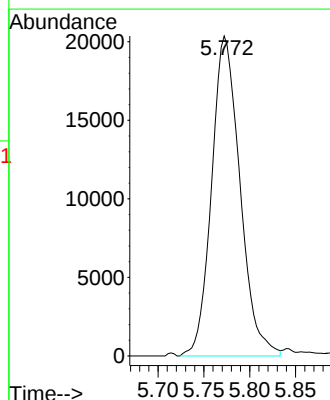
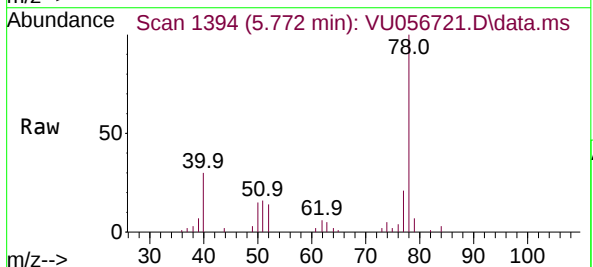
Instrument :
MSVOA_U
ClientSampleId :

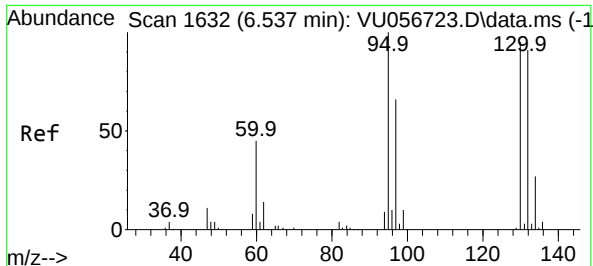
Tgt Ion:117 Resp: 15998
Ion Ratio Lower Upper
117 100
119 92.7 76.2 114.4



#33
Benzene
Concen: 0.475 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion: 78 Resp: 43869

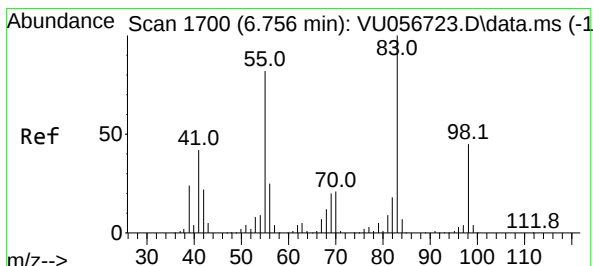
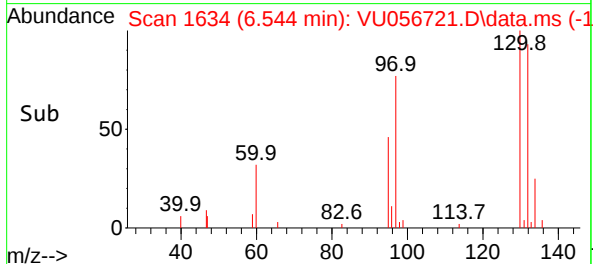
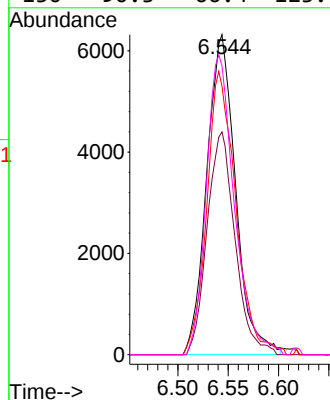
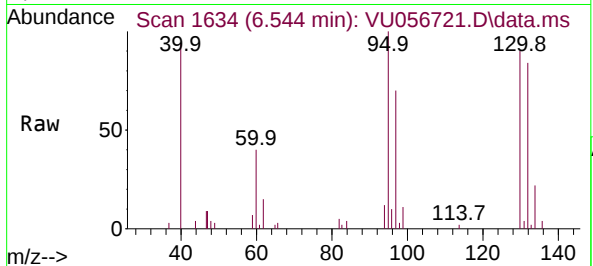




#34
Trichloroethene
Concen: 0.497 ug/L
RT: 6.544 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

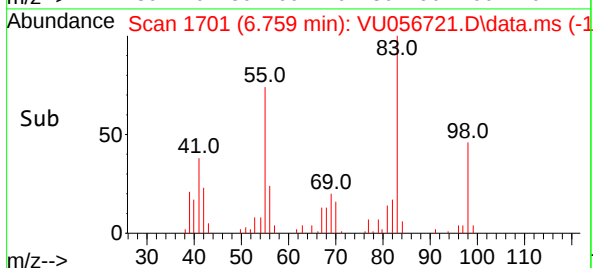
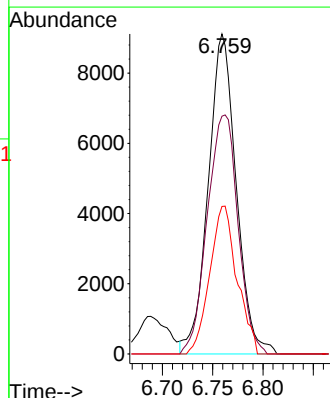
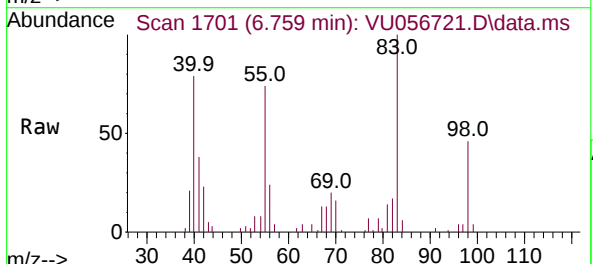
Instrument :
MSVOA_U
ClientSampleId :

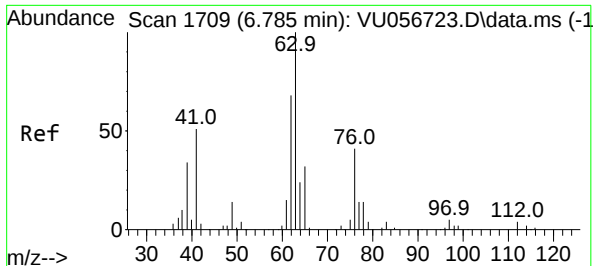
Tgt Ion: 95 Resp: 12577
Ion Ratio Lower Upper
95 100
97 69.7 46.1 85.5
132 84.0 63.6 118.0
130 90.3 66.4 123.4



#35
Methylcyclohexane
Concen: 0.473 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion: 83 Resp: 17651
Ion Ratio Lower Upper
83 100
55 82.1 64.6 97.0
98 45.0 36.1 54.1





#37

1,2-Dichloropropane

Concen: 0.491 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

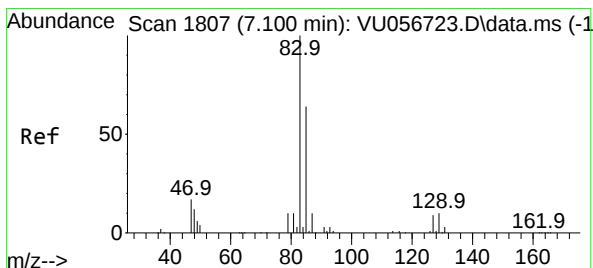
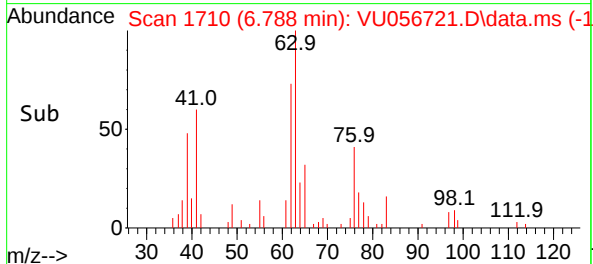
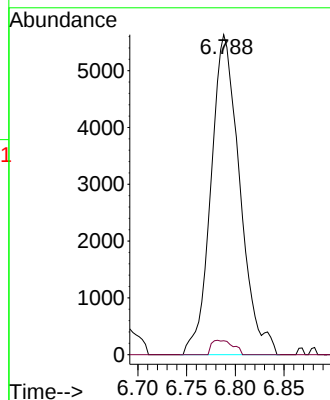
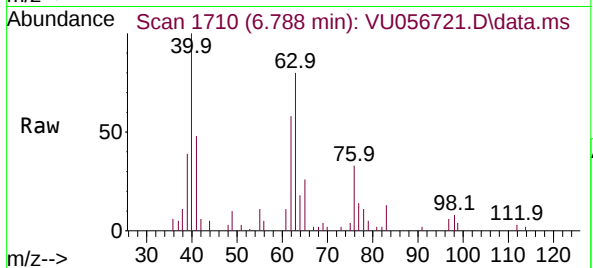
ClientSampleId :

Tgt Ion: 63 Resp: 11598

Ion Ratio Lower Upper

63 100

112 3.3 3.3 4.9



#38

Bromodichloromethane

Concen: 0.484 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

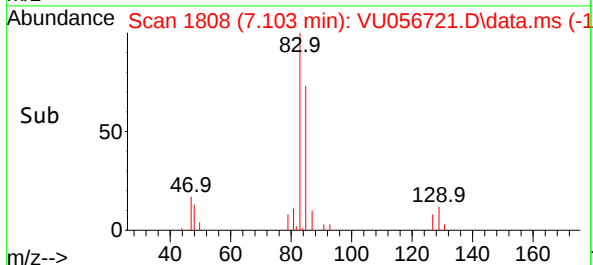
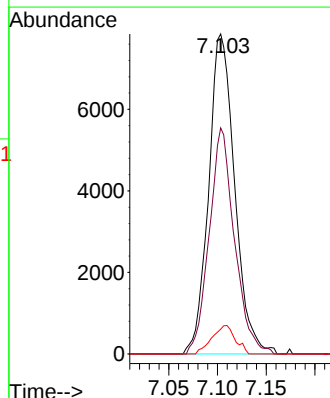
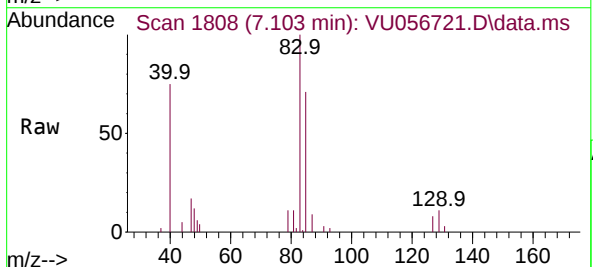
Tgt Ion: 83 Resp: 14576

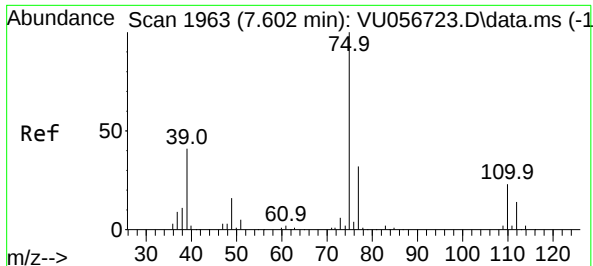
Ion Ratio Lower Upper

83 100

85 70.6 45.0 83.6

127 7.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 0.457 ug/L

RT: 7.608 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

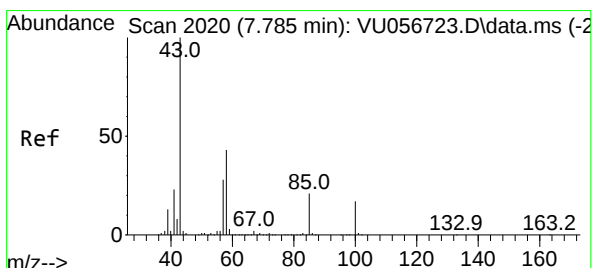
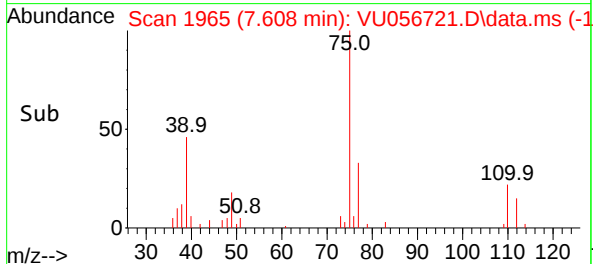
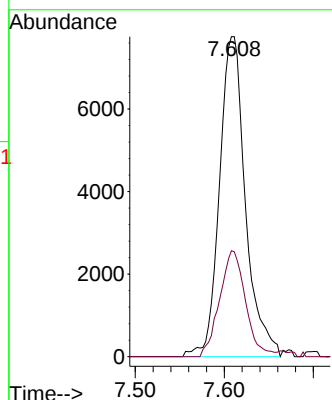
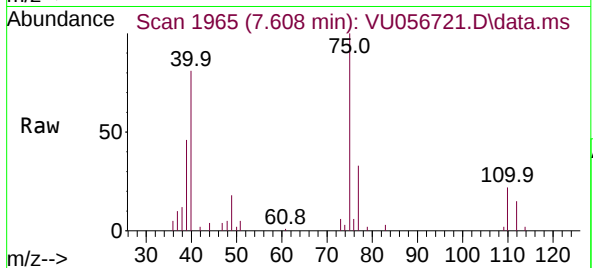
ClientSampleId :

Tgt Ion: 75 Resp: 15715

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 4.715 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

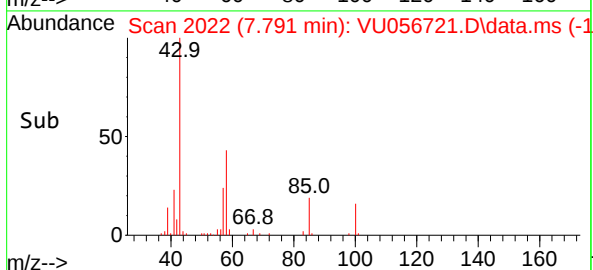
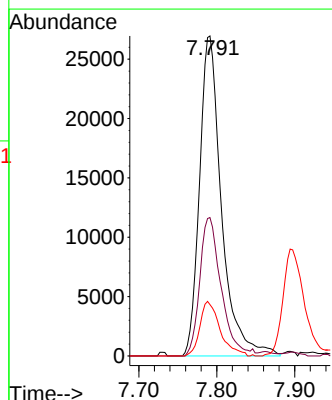
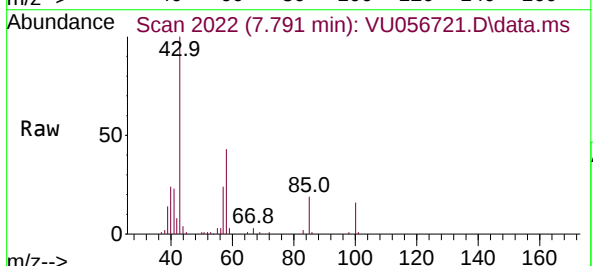
Tgt Ion: 43 Resp: 52840

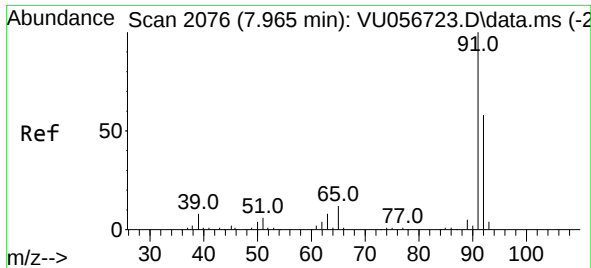
Ion Ratio Lower Upper

43 100

58 42.1 33.7 50.5

100 15.6 13.0 19.4





#42

Toluene

Concen: 0.450 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

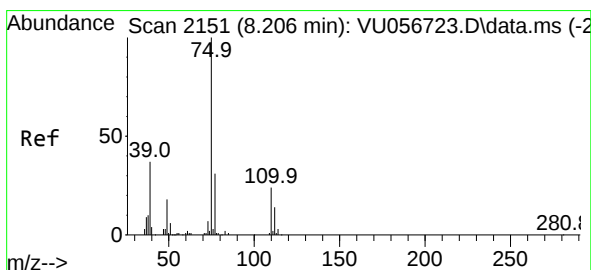
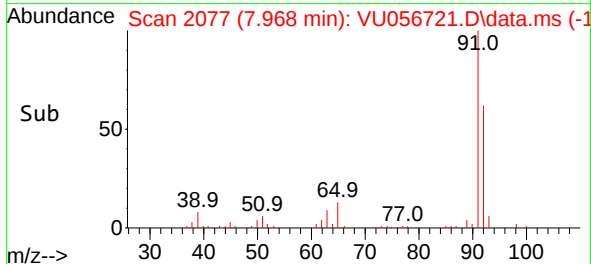
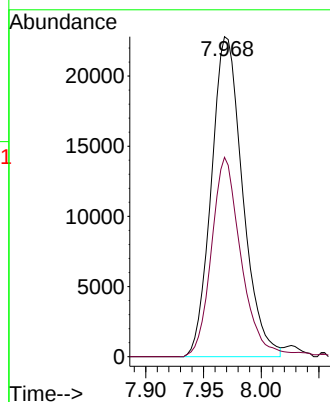
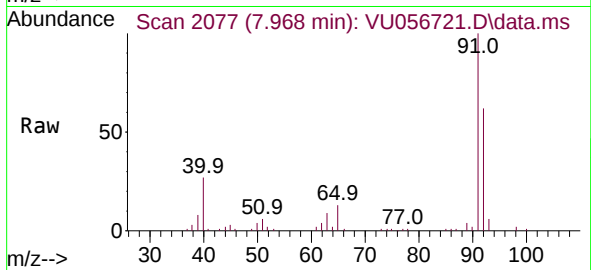
ClientSampleId :

Tgt Ion: 91 Resp: 42936

Ion Ratio Lower Upper

91 100

92 62.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.457 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.006 min

Lab File: VU056721.D

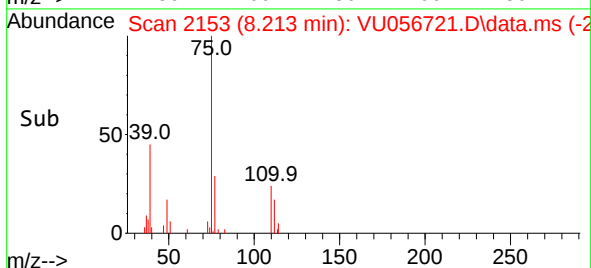
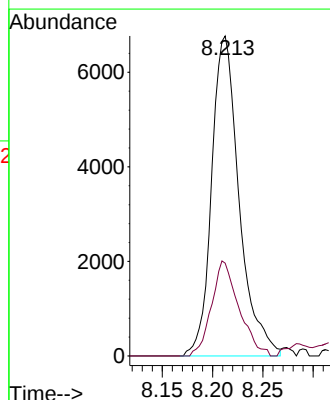
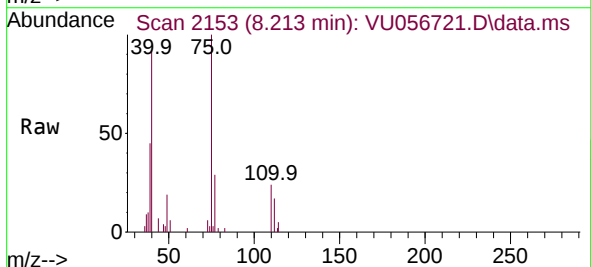
Acq: 11 Dec 2023 10:09

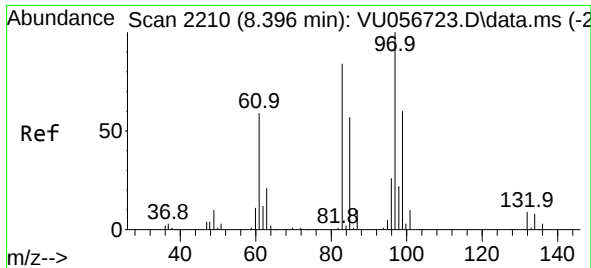
Tgt Ion: 75 Resp: 12885

Ion Ratio Lower Upper

75 100

77 29.0 21.8 40.4

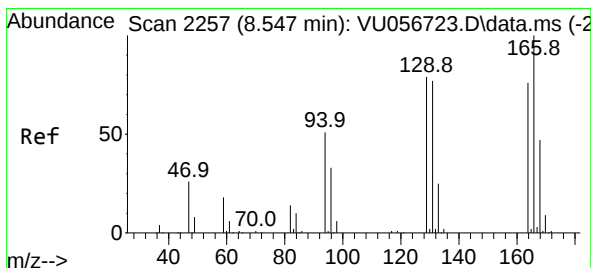
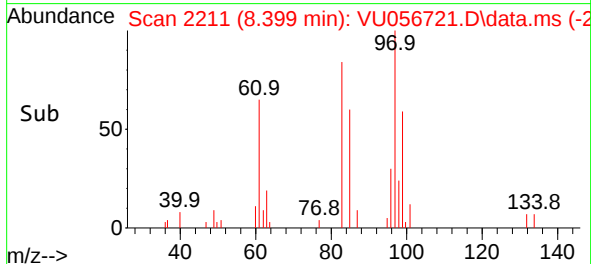
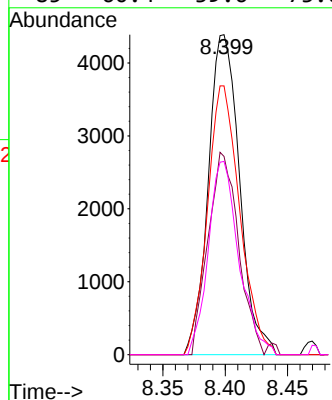
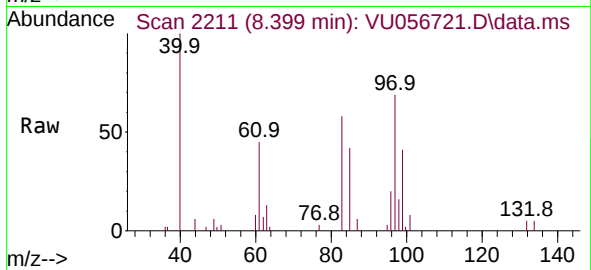




#45
1,1,2-Trichloroethane
Concen: 0.481 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

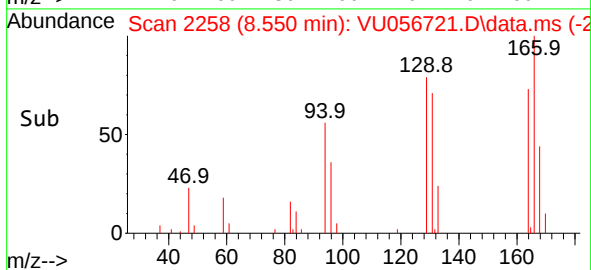
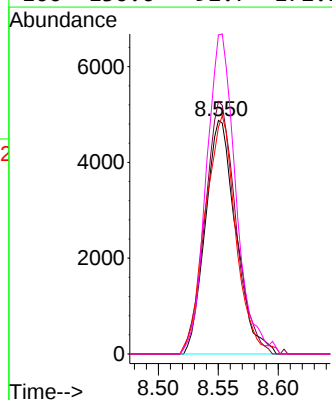
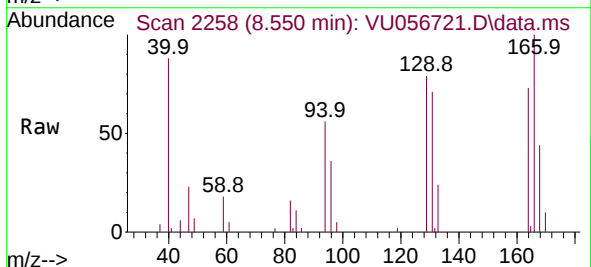
Instrument :
MSVOA_U
ClientSampleId :

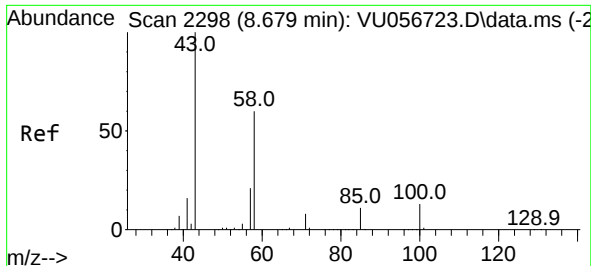
Tgt Ion:	97	Resp:	7673
Ion	Ratio	Lower	Upper
97	100		
99	62.0	41.9	77.9
83	84.0	59.1	109.7
85	60.4	39.6	73.6



#47
Tetrachloroethene
Concen: 0.490 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion:	164	Resp:	8674
Ion	Ratio	Lower	Upper
164	100		
129	108.1	73.4	136.4
131	97.1	71.5	132.9
166	136.6	92.7	172.1

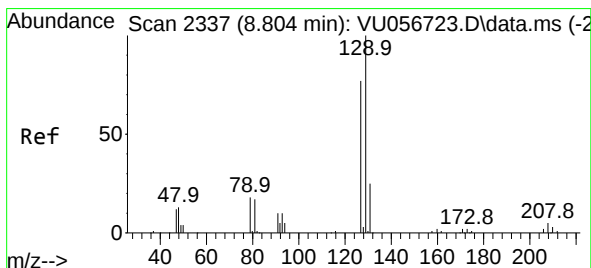
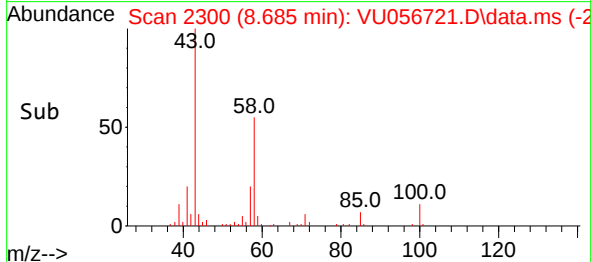
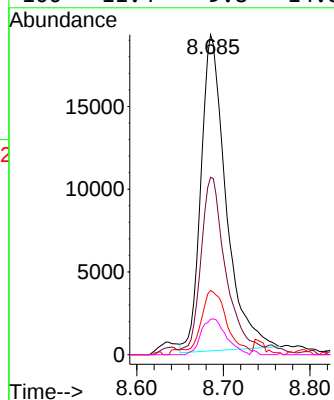
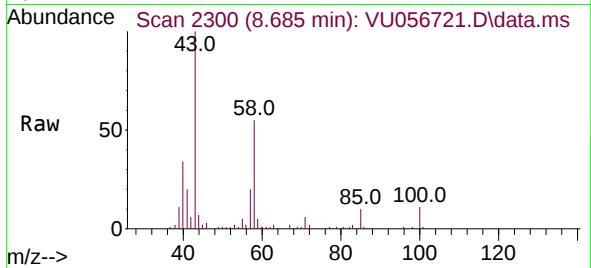




#48
2-Hexanone
Concen: 4.790 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

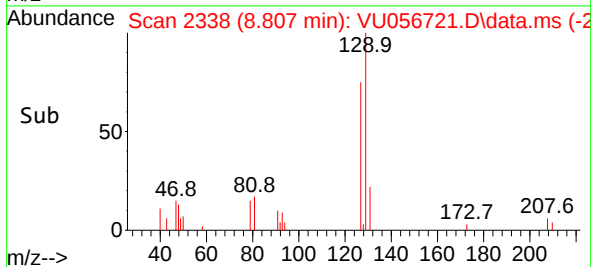
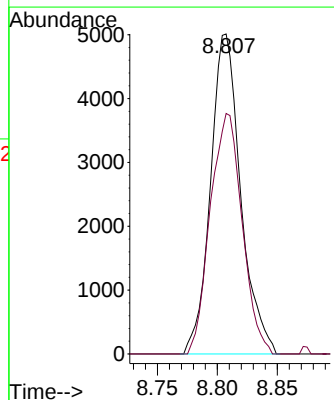
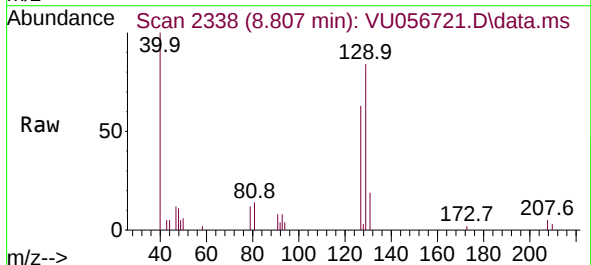
Instrument :
MSVOA_U
ClientSampleId :

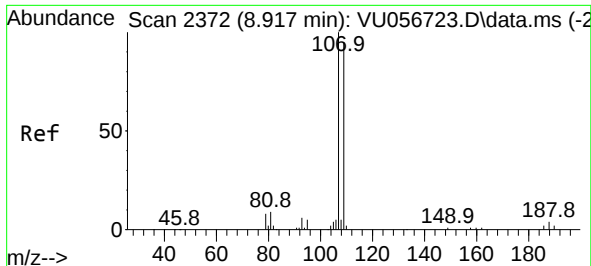
Tgt Ion: 43 Resp: 38233
Ion Ratio Lower Upper
43 100
58 56.2 47.5 71.3
57 21.7 17.0 25.4
100 11.4 9.8 14.8



#49
Dibromochloromethane
Concen: 0.478 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion: 129 Resp: 8768
Ion Ratio Lower Upper
129 100
127 75.2 53.9 100.1





#50

1,2-Dibromoethane

Concen: 0.465 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.006 min

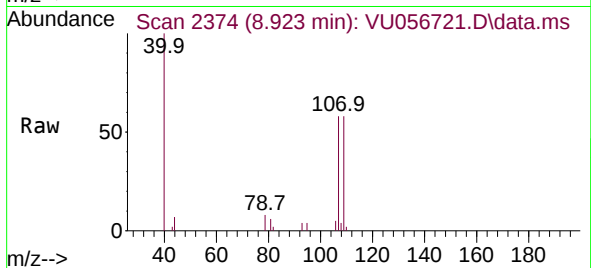
Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

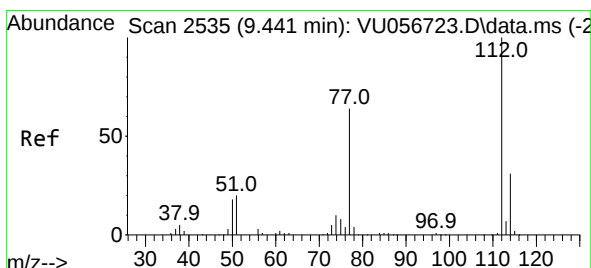
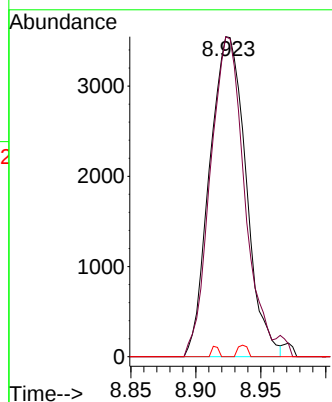
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	6886
Ion	Ratio	Lower	Upper
107	100		
109	99.9	66.5	123.5
188	0.0	2.9	4.3#



#51

Chlorobenzene

Concen: 0.493 ug/L

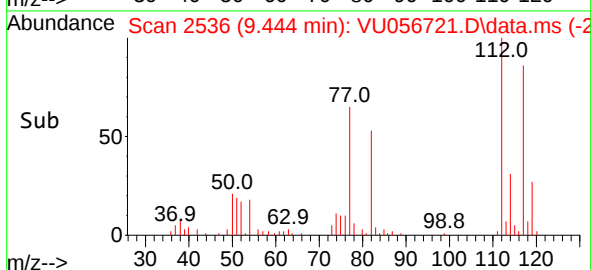
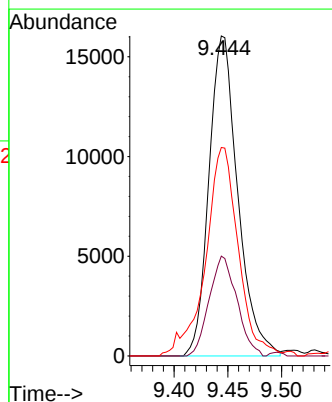
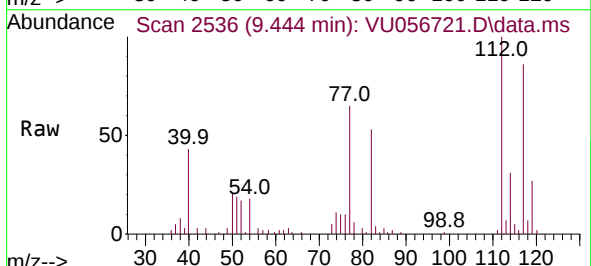
RT: 9.444 min Scan# 2536

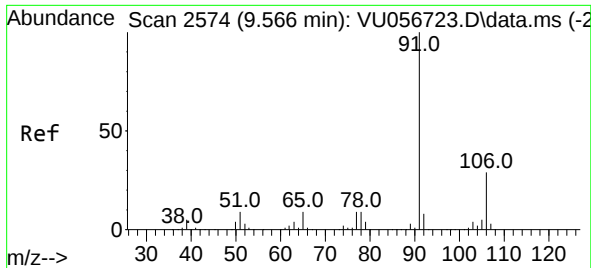
Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Tgt Ion:	112	Resp:	29986
Ion	Ratio	Lower	Upper
112	100		
114	31.2	21.9	40.7
77	65.1	51.6	77.4

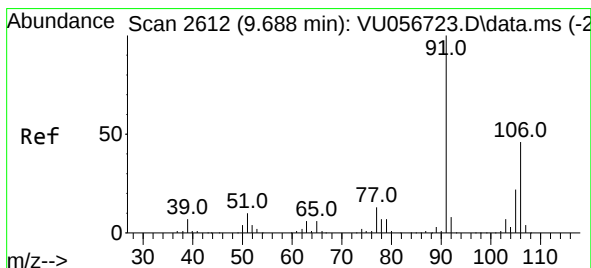
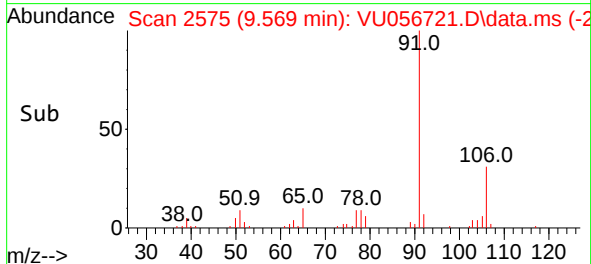
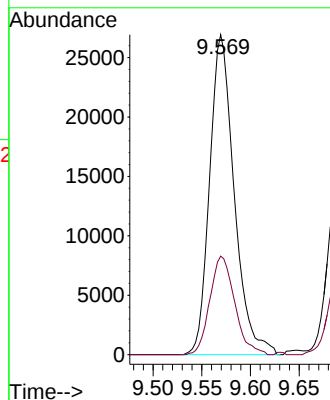
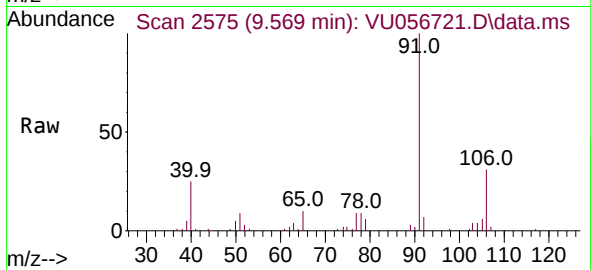




#52
Ethylbenzene
Concen: 0.448 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

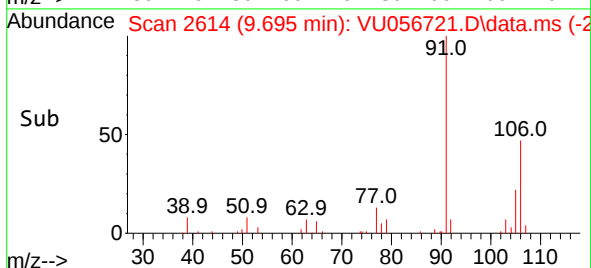
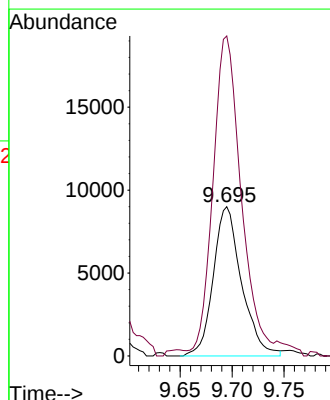
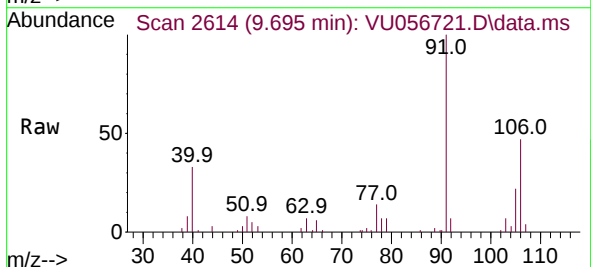
Instrument :
MSVOA_U
ClientSampleId :

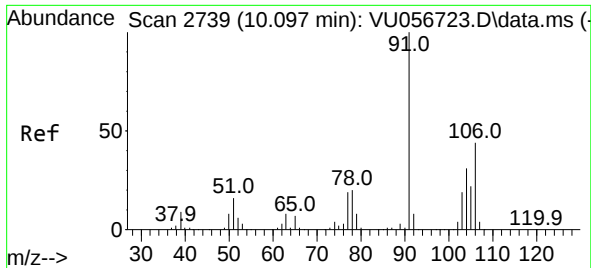
Tgt Ion: 91 Resp: 47223
Ion Ratio Lower Upper
91 100
106 30.8 20.6 38.4



#53
m,p-Xylene
Concen: 0.435 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion: 106 Resp: 17062
Ion Ratio Lower Upper
106 100
91 214.5 154.0 286.0

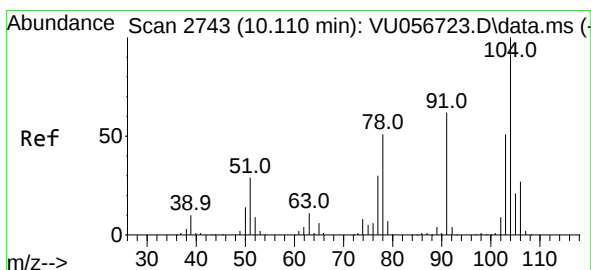
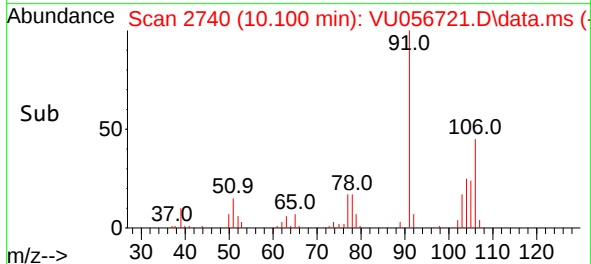
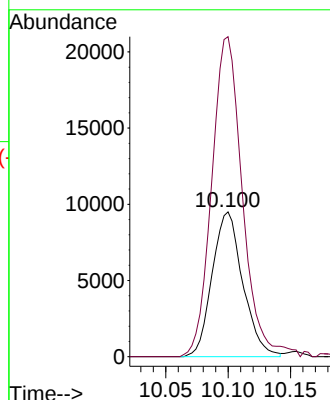
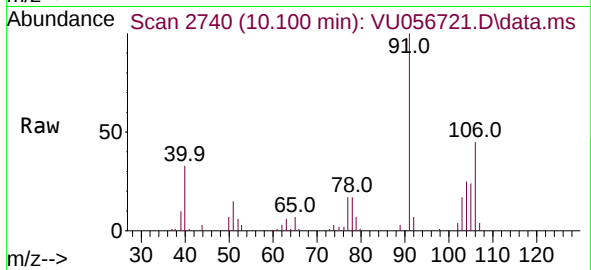




#54
o-Xylene
Concen: 0.435 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

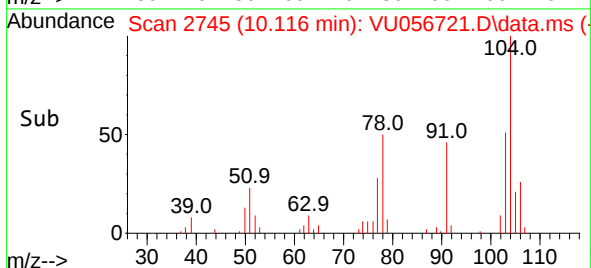
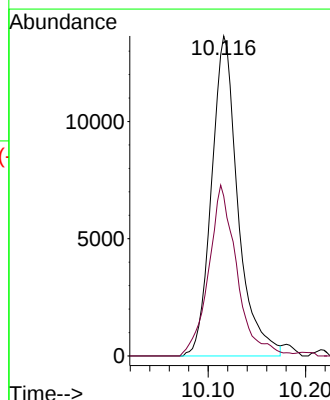
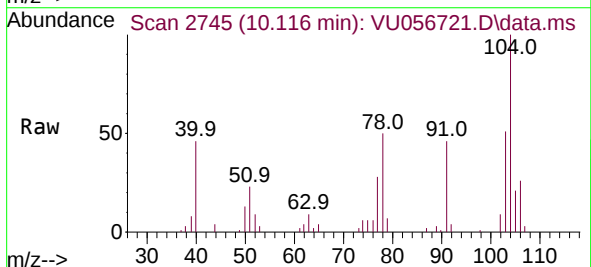
Instrument :
MSVOA_U
ClientSampleId :

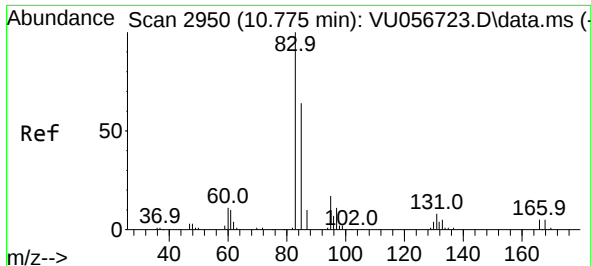
Tgt Ion:106 Resp: 16262
Ion Ratio Lower Upper
106 100
91 220.9 160.2 297.6



#55
Styrene
Concen: 0.418 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion:104 Resp: 25674
Ion Ratio Lower Upper
104 100
78 50.0 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 0.523 ug/L

RT: 10.782 min Scan# 2950

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

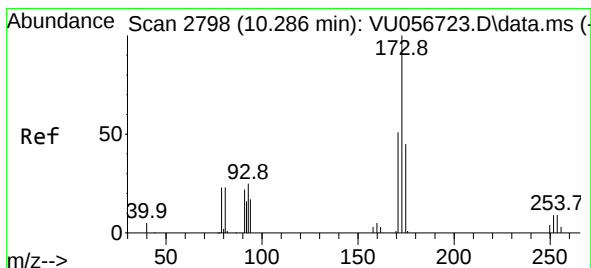
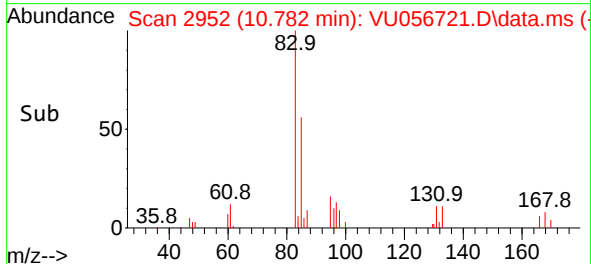
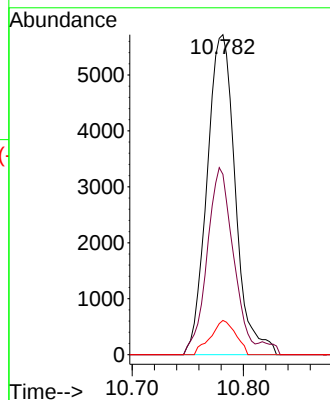
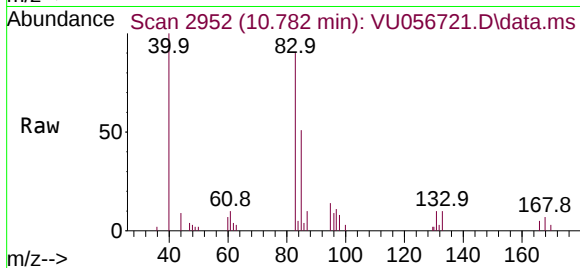
Tgt Ion: 83 Resp: 10089

Ion Ratio Lower Upper

83 100

85 56.4 45.4 84.4

131 10.7 6.6 9.8#



#59

Bromoform

Concen: 0.529 ug/L

RT: 10.293 min Scan# 2800

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

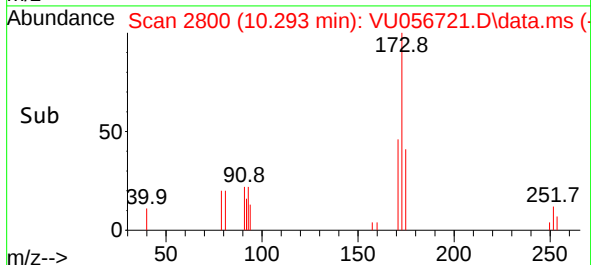
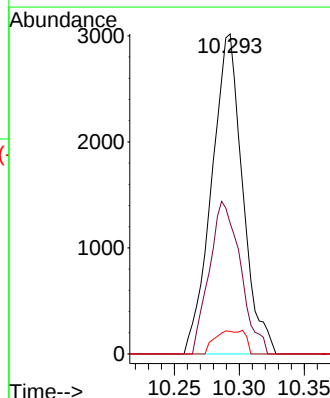
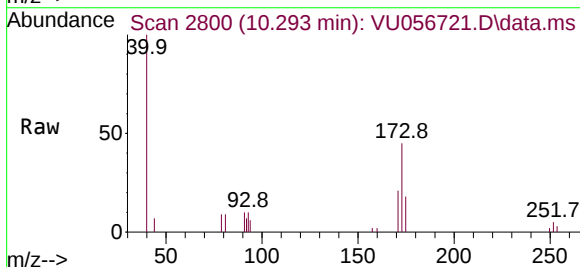
Tgt Ion:173 Resp: 4995

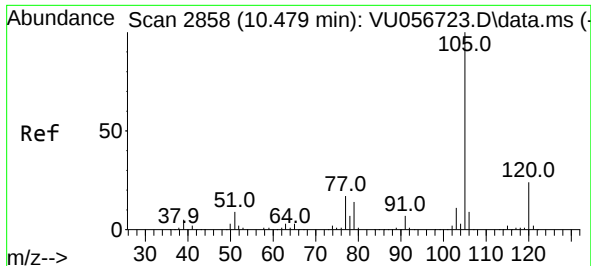
Ion Ratio Lower Upper

173 100

175 48.1 38.2 57.2

254 7.1 7.0 10.4

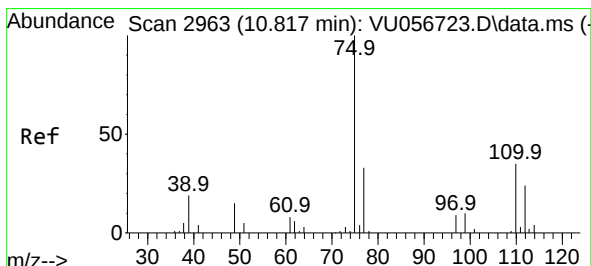
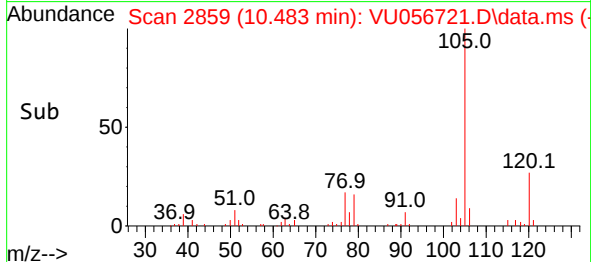
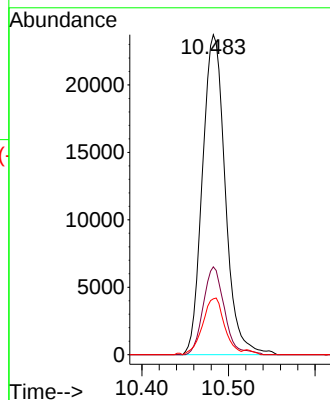
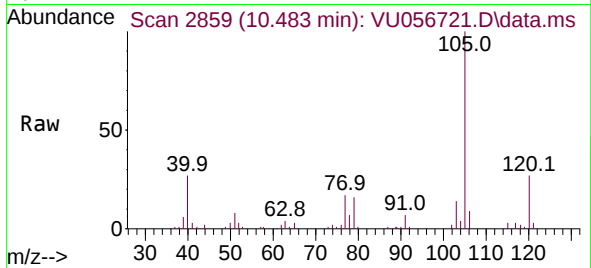




#60
Isopropylbenzene
Concen: 0.474 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

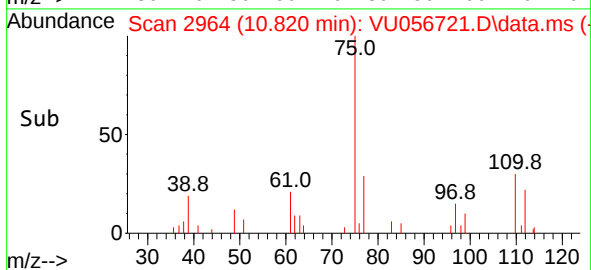
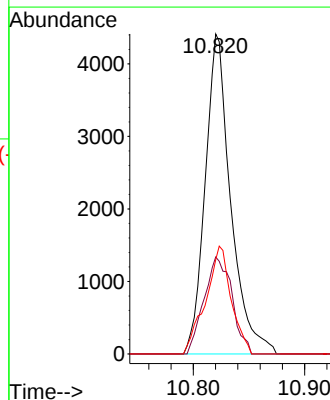
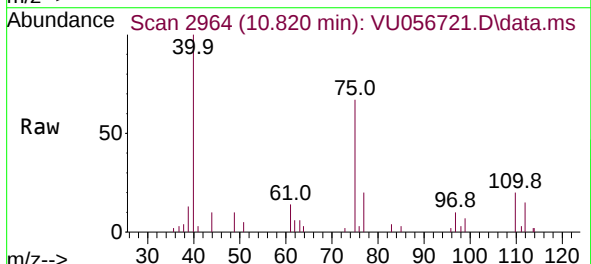
Instrument :
MSVOA_U
ClientSampleId :

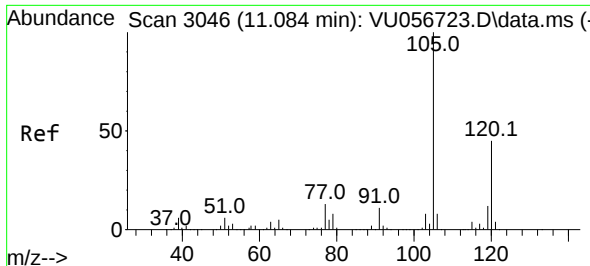
Tgt Ion:105 Resp: 43312
Ion Ratio Lower Upper
105 100
120 25.6 20.1 30.1
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.566 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion: 75 Resp: 7028
Ion Ratio Lower Upper
75 100
110 33.1 28.4 42.6
77 33.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.471 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

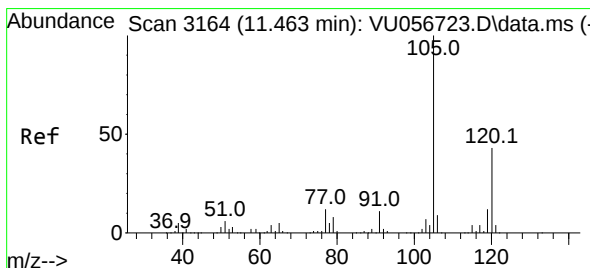
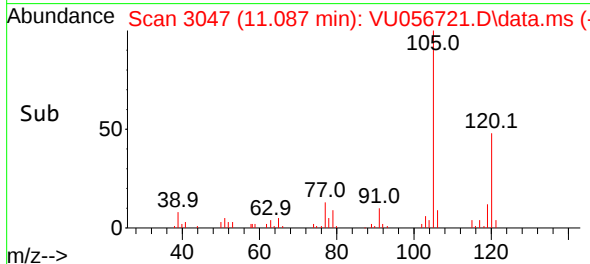
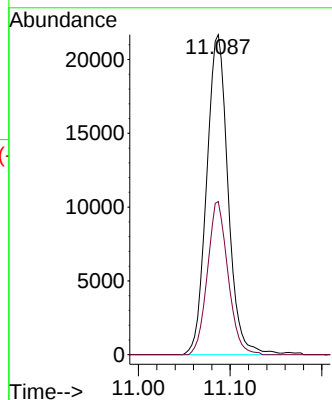
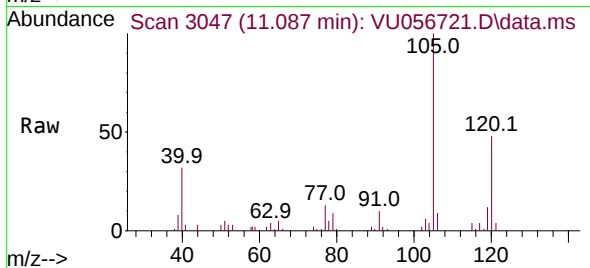
ClientSampleId :

Tgt Ion:105 Resp: 35142

Ion Ratio Lower Upper

105 100

120 46.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 0.467 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU056721.D

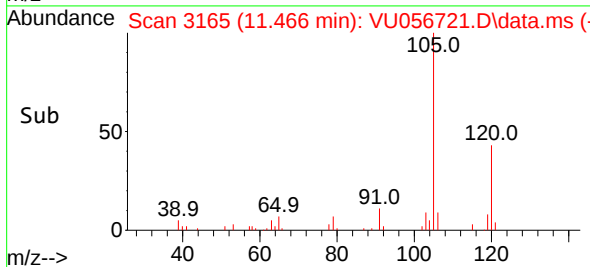
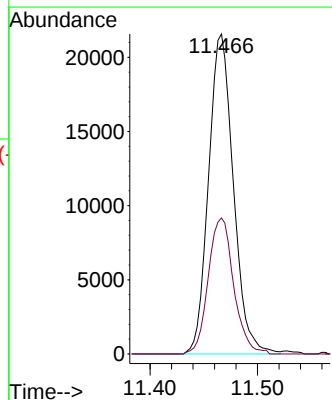
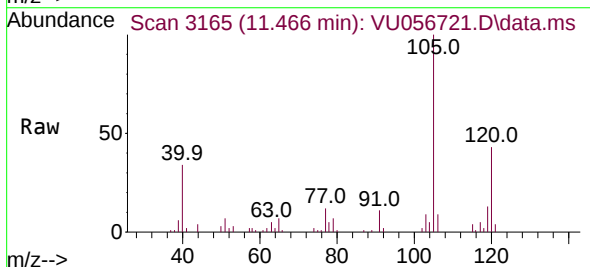
Acq: 11 Dec 2023 10:09

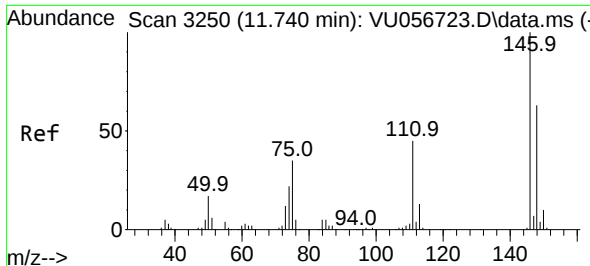
Tgt Ion:105 Resp: 34577

Ion Ratio Lower Upper

105 100

120 43.5 34.2 51.4

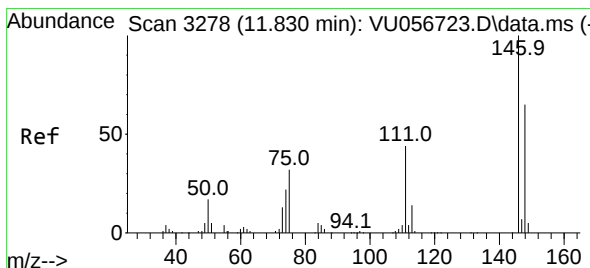
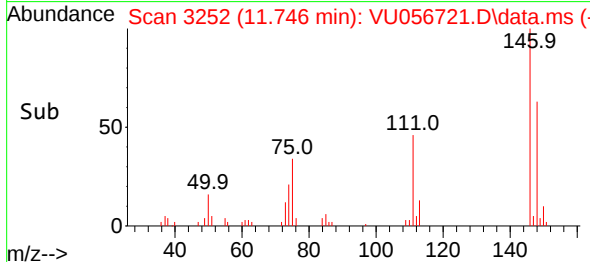
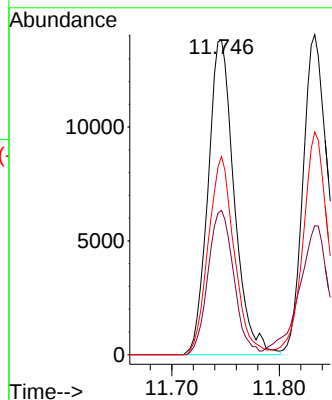
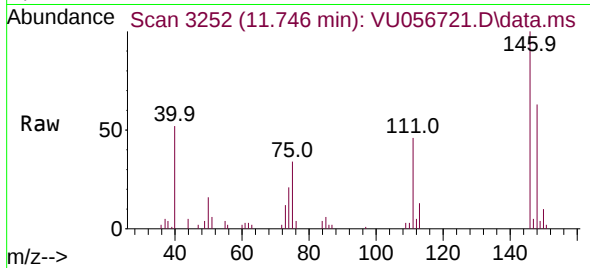




#64
1,3-Dichlorobenzene
Concen: 0.542 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

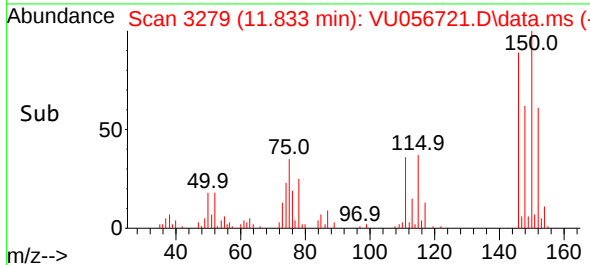
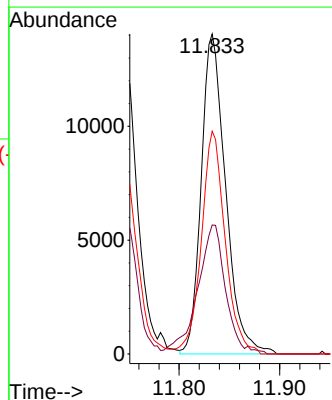
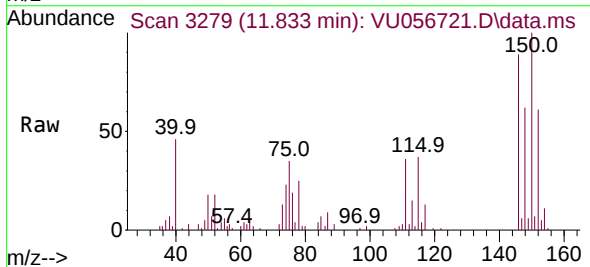
Instrument :
MSVOA_U
ClientSampleId :

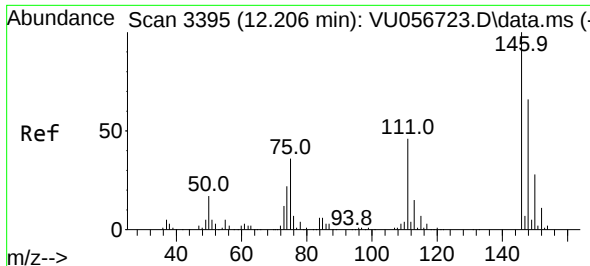
Tgt Ion:146 Resp: 23391
Ion Ratio Lower Upper
146 100
111 45.8 31.7 58.9
148 63.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.557 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion:146 Resp: 23669
Ion Ratio Lower Upper
146 100
111 40.3 31.2 58.0
148 69.6 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.559 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

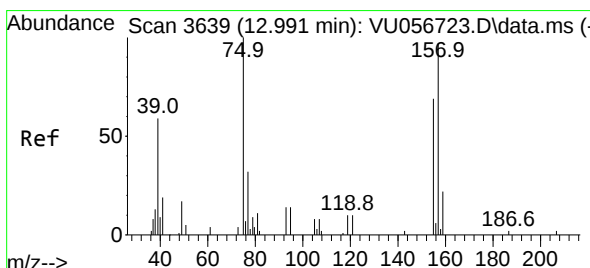
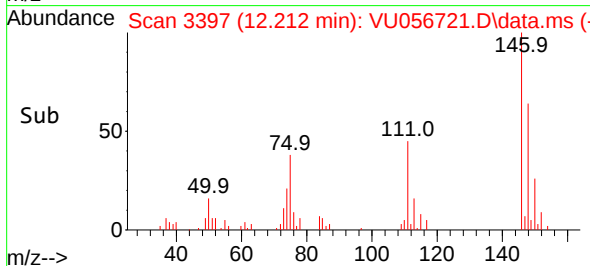
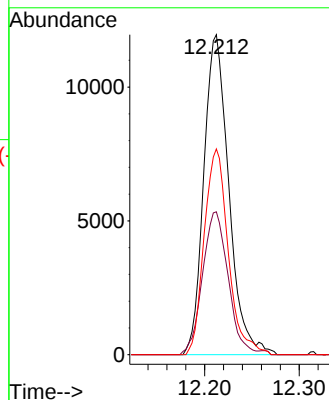
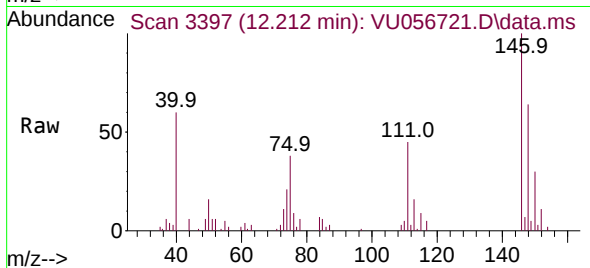
Tgt Ion:146 Resp: 22009

Ion Ratio Lower Upper

146 100

111 44.7 36.9 55.3

148 64.3 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.459 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

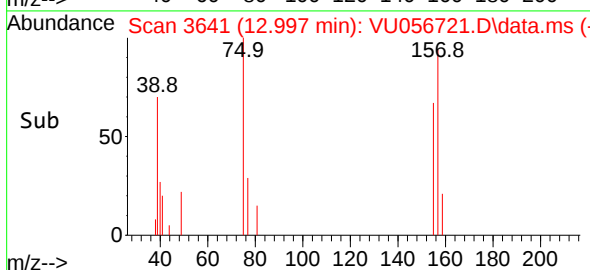
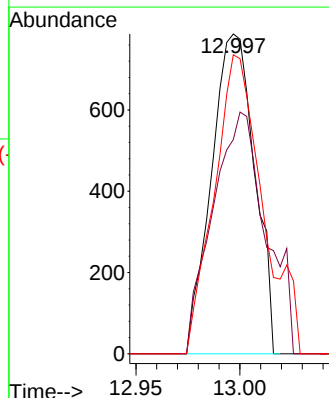
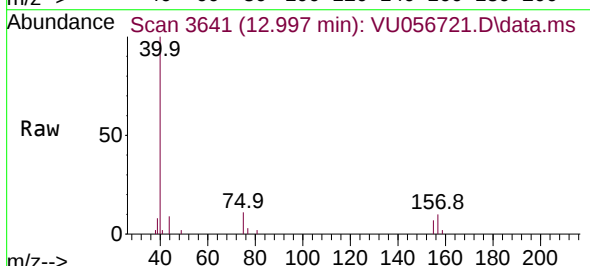
Tgt Ion: 75 Resp: 1137

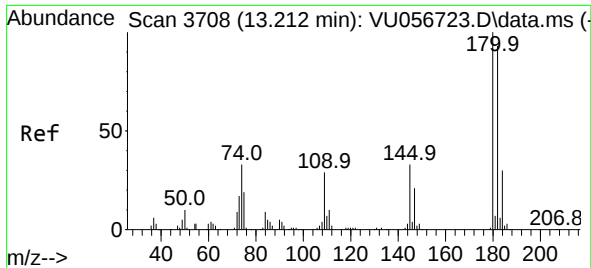
Ion Ratio Lower Upper

75 100

155 67.0 55.4 83.2

157 93.5 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 0.596 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.006 min

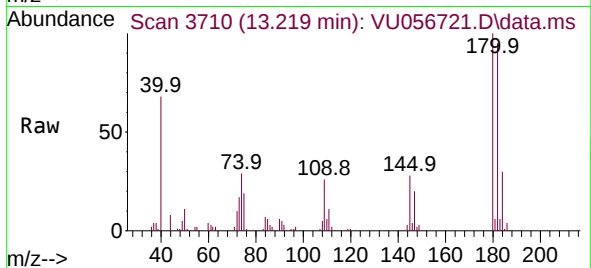
Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 19452

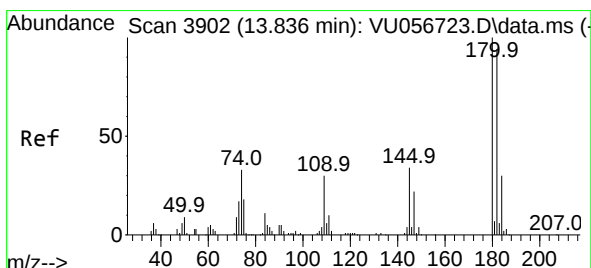
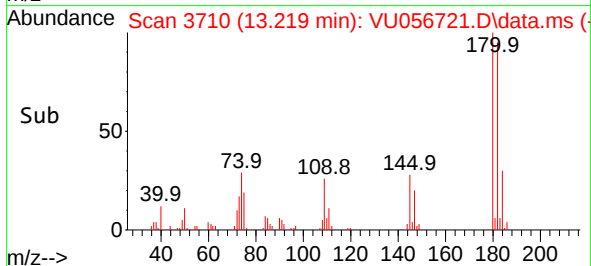
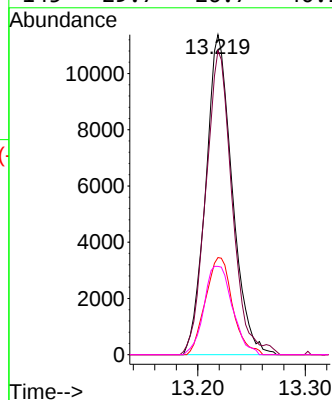
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

184 31.0 24.6 37.0

145 29.7 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 0.599 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.006 min

Lab File: VU056721.D

Acq: 11 Dec 2023 10:09

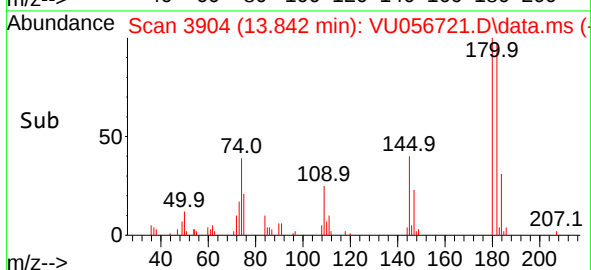
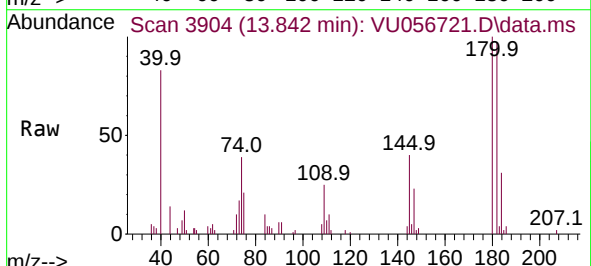
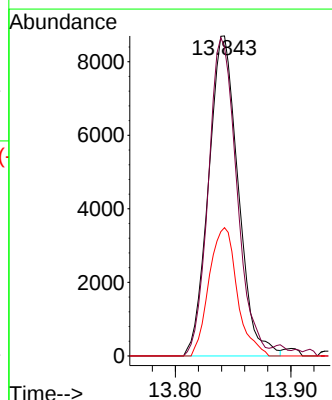
Tgt Ion:180 Resp: 15471

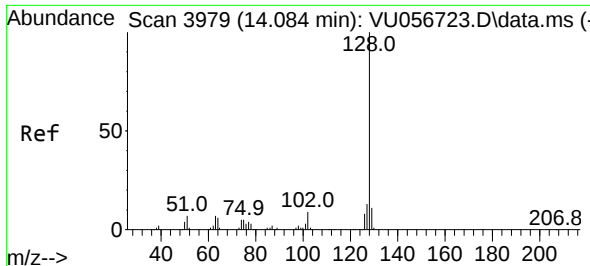
Ion Ratio Lower Upper

180 100

182 95.5 74.3 111.5

145 38.1 26.7 40.1

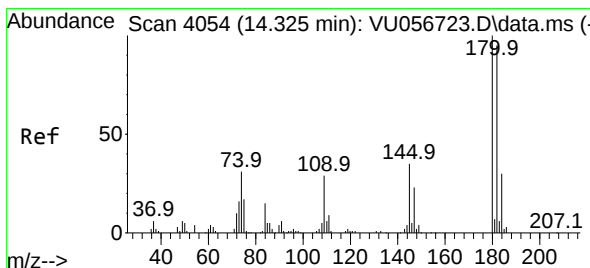
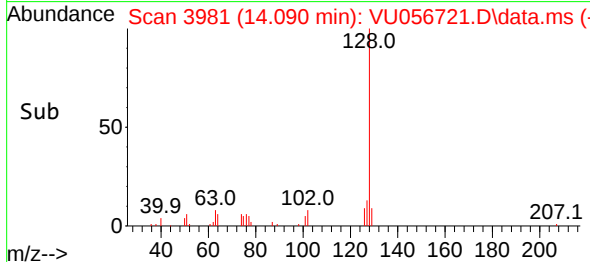
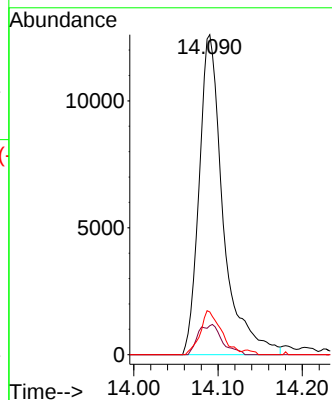
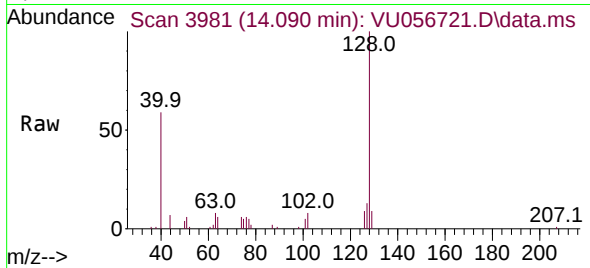




#71
Naphthalene
Concen: 0.662 ug/L
RT: 14.090 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 25043
Ion Ratio Lower Upper
128 100
129 9.4 8.6 12.8
127 12.0 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 0.661 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU056721.D
Acq: 11 Dec 2023 10:09

Tgt Ion:180 Resp: 14511
Ion Ratio Lower Upper
180 100
182 92.6 75.0 112.6
145 34.9 28.6 42.8

